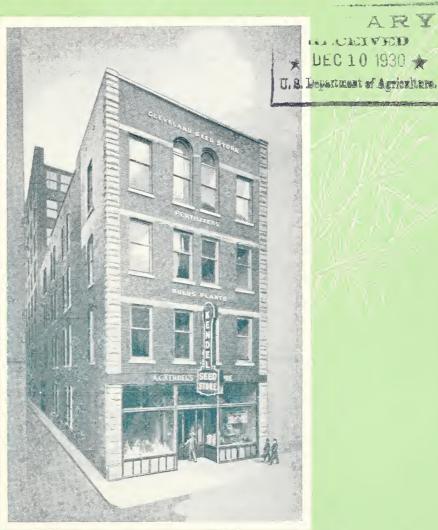
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62.6 Seeds Plants Bulbs



ARY CELVED ... DEC 10 1930 *

101-105 FLEEL AVE CLEVELAND OHIO

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OUR TERMS ARE NET CASH

OUR PRICES—We will adhere as closely as possible to the prices quoted in this Catalogue, but the market value of some seeds is variable. This includes the grass and clover seeds, field seeds and onion setts and these will be quoted upon request.

ORDERS-Please furnish credit references if you do not remit with order.

ADDRESS, Etc.—When ordering, be sure that your NAME, POSTOFFICE, COUNTY and STATE plainly appear in your letter and whether you prefer to have us ship by mail, express or freight, otherwise we will ship cheapest way.

REMITTANCES may be made at our risk, by check, draft, P. O. or express money order, or in sums of \$2.00 or less by registered mail. Unused postage stamps to the amount of \$1.00 will be accepted.

RATES OF POSTAGE

SEEDS BY MAIL—In justice to our many customers who live in this immediate vicinity and are not obliged to consider postage and express charges, we do not include such charges in the prices quoted in our catalogue; the prices given are for goods here in our store. We will continue, however, to mail free all SEEDS in packets and ounces to any amount, any where in the U. S. at catalogue prices. In larger packages, we will mail free in the FIRST, SECOND and THIRD ZONES, all VEGETABLE and FLOWER SEEDS, ROOTS and BULBS to the amount of ONE DOLLAR or over. On lesser amounts, please add 10% to cover postage or at least 7c for the first pound, which is the minimum charge, otherwise we will be obliged to deduct for postage. Beyond the THIRD ZONE please add postage according to the distance. On account of their perishable nature PLANTS should be shipped by express only.

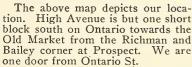
BAGS ARE FURNISHED AT THE FOLLOWING RATES: Pecks, 10c; half-bushels, 20c; one bushel, 30c; two bushel, 50c each. In remitting for orders please add a sum to cover the cost of the necessary bags.

WARRANTS

WARRANTS—We buy our stocks from reliable dealers, some of them for more than sixty years. We make germination tests of each lot of Vegetable Seeds that we offer, thus reducing to a minimum the chances for failure. Our Flower Seeds are always of the new crop and thus of the highest vitality. But we wish to make it clearly understood that because circumstances may arise after seeds are planted, over which we have absolutely no control, we find it necessary as is customary in the Seed Trade to give no Warranty, express or implied, as to description, quality, purity, productiveness, or any other matter of any Seeds, Plants or Bu'bs we send out, and will not be responsible in any way, for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once.

A. C. KENDEL'S SEED STORE.







C. E. KENDEL Proprietor

FOREWORD

THERE are some things in this Catalogue to which we wish to draw attention. The seeds listed have all been found to be well suited to this region. There is a liberal number of new varieties, some of them listed below and others replacing older sorts in the general list. There are several notes to enlighten beginners on the use of Fertilizers and Insecticides.

The prices throughout compare favorably with those of other *reliable* seed dealers and the stock, in every particular has been derived from most reliable sources that can only be learned from a wide acquaintance in the trade acquired by our NINETY-ONE YEARS IN BUSINESS. Whenever possible, we get our seeds from the originators, thus being assured of the purest stock.

NEW SEEDS OF MERIT

Sunshine Asters. These are a radical departure in form, the centers being fully double and surrounded with one or two rows of broad petals and making them resemble the Japanese Anemones or the Crested Cosmos. Stalks about two feet high, flowers medium size and colors blue, lilac, pink, white, separate colors or mixed. Per packet	
Statice Sinuata. There have been so many requests for this fine annual Statice or Sea	•
Lavender in separate colors that we are now able to supply it in analine blue, lav-	
ender, rose or white, separate or mixed. Per packet	.10
Calendula. The new Calendula Campfire or Sensation made a hit for greenhouse use	
last season because of its size and full, double, flat flowers of a dark orange red.	
Per packet	.25
Calendula Radio differs from the older type in the shape of the petals which are curled	
and twisted like comet asters. The flowers are medium sized, orange yellow in	
color and borne on stems of medium length. Per packet	.15
	1.1(2)
Lilliput Zinnias. For many years these tiny Zinnias have been used for bedding, their	
many colors making a fine showing. The scarlet Red Riding Hood has been used	
to good advantage for borders. We are offering Crimson Gem, Golden Orange and	
Canary Yellow in separate colors this season to fill in with colors not found among	
the Marigolds and Tagetes. Per packet	.10
•	

PERENNIALS

Asphodelus Lutea (King's Spear). Tall spikes of fragrant, golden yellow flowers in June. Might be described as an enlarged yellow Cardinal Flower. Was used by the ancient Greeks in their pageants. Per packet, 15c.

Cerastium Tomentosum (Snow-in-Summer). Trailing plant with silvery, wooly leaves and an abundance of small, snowy white flowers. Suitable for edgings or the Rock Garden. Per packet, 15c.

A · C · K E TO

Corydalis Lutea (Fumitory). Plants grow 6 inches high, leaves light green finely divided and spreading, allied to the Dutchman's Breeches which it somewhat resembles. Flowers

yellow, in short racemes and ½ inch long. Suitable for the rock garden. Per packet, 25c.

Doronicum Caucasicum (Leopard's Bane). Yellow daisy-like flowers, 2 inches across, on single stems, 18 inches high that bloom during May and June. Thrive in partial shade.

Per packet, 50c.

Gypsophila Repens (Dwarf White Baby's Breath). A trailing plant covered with pink or white rather small flowers in July and August at a time when flowers are scarce in the rockery. Per packet, 15c.

Saponaria (Soapwort) Ocymoides. A half trailing plant, growing 6 to 9 inches high and bearing loose, flat heads of bright pink flowers in mid-summer. For borders or the rockery.

Per packet, 10c.
Silene Schafta (Autumn Catchfly). Upright plant growing six inches high and bearing clusters of bright pink flowers in the axils of the leaves from July to October. Per packet, 15c. Sidalcea (Greek Mallow) Rosy Gem. Native plant suitable for the herbaceous sunny border growing 2 to 3 feet high and bearing spikes of rosy pink flowers in June and July. Per packet, 25c.

Veronica (Speedwell). A dwarf navy blue variety suitable for borders or the rockery.

Per packet, 25c.

GLADIOLUS

Supplemental List. Regular List Page 34
Giant Nymph. Light rose pink, with creamy yellow throat; very large, wide open flowers, well arranged on stems growing 6 feet tall. First size bulbs. Each, 15c; dozen, \$1.50. Berty Snow. Light lavender orchid color, giant blooms on tall sturdy stems. One of the

best in this color. First size bulb. Each, \$1.50.

Golden Dream. Pure golden yellow; large spikes and flowers like Golden Measure but a clearer and better color. Destined to lead in this color for cut-flowers. First size bulbs, each, \$1.50.

A. W. Hunt. Flaming orange red; large, wide open flowers on strong, sturdy stems that

grow to a medium height. First size bulbs, each, 15c; dozen, \$1.50.

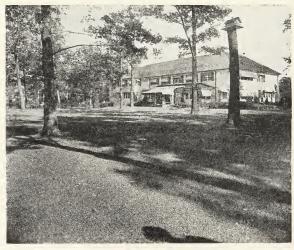
Mrs. Fred C. Peters. Fine lilac pink with purplish blotch in the throat; many large flowers open at a time; long, sturdy stems and a vigorous grower. First size bulbs, each, 15c; dozen, \$1.50.

Pfitzers Triumph. Unquestionably one of the best ever introduced. Stems, 5 feet tall; flowers 6 inches across; color bright orange salmon with small velvet red blotch in the

throat. First size bulbs, each, \$1.50.

LAWN GRASS SEED

E have for many years given particular attention to lawn grasses that would make a thick sod, withstanding the heat of summer and the cold of winter under the many varying conditions of soil, shade, and location and feel free to say that it takes several different kinds to meet all conditions and no one kind or even mixture will be suitable everywhere. We have four different mixtures as enumerated below, that will pretty well meet the needs of everyone in this part of the country. Shadilawn should be sown very early in the spring, before the leaves on the trees cast much shade; all our



other mixtures may be sown either spring or fall. The most important part of lawn-making is to use plenty of good seed, suitable for the purpose. You will get some kind of a lawn with good seed even if the soil is poor or the conditions bad but with poor seed, never, no matter what else you do. It takes experts to tell the difference before the seed is sown but not when it comes up. Barnyard manure is not suitable to use on a lawn on account of the weeds that are sure to follow. Top soil that is not infested with Crab Grass or Chick Weed is hard to find and expensive to use. The safest way is to rake in a liberal amount of Sheep Manure and Bone Meal, half and half, as much as a pound of each per square yard and each spring, when the grass is showing green put on more bone meal at the rate of a pound to 5×10 feet and you will not only settle the weed trouble but have that nice, thick sod that everyone desires and so few have. On sandy soil a dressing of Peat Moss on top of the seed will greatly increase the catch and conserve the moisture as well as the fertilizer, without choking out any of the lawn.

There is a great diversity of opinion in regard to watering. Frequent watering tends to encourage the grass roots to stay near the surface. They should grow down, the deeper the better. Therefore the less watering is done the less is necessary and then when a drought comes a good soaking will be more effective. Set the mower so the grass will be left longer in July and August as a protection from the heat and clip as short as you like the rest of the time. To leave or not to leave the mowings on the lawn is another controversial question. It seems logical to advise the use of the grass catcher if there are any weeds because some of our worst weeds, notably Crab Grass which turns the lawn so brown in August, are annuals that could be controlled if the seed was gathered. Dandelion heads should certainly be gathered. From September on, the cuttings might be left as a winter protection, but raked out as early as possible in the spring.



LAWN GRASS SEED

This is the same mixture of grasses that we have sold for fifty years with utmost satisfaction. Nothing but the highest grades and cleanest seeds are used. A pound sows 10 x 20 feet of bare ground. Price: 1 lb. 60c; 3 lbs. \$1.70; 5 lbs. \$2.75; 10 lbs. \$5.25; 20 lbs. \$10.00; 25 lbs. and over $47\frac{1}{2}c$ per lb.

CREEPING BENT MIXTURE. In some localities a tough grass is required that will withstand rough treatment. On Putting Greens it has been found that the Bent Grasses best meet the conditions. This mixture has a liberal proportion of Bent Grass seed and will give that fine tough sod so much desired. A pound sows 15 x 20 feet. Price: 1 lb. \$1.00; 3 lbs. \$2.90; 5 lbs. \$4.75; 10 lbs. \$9.25; 20 lbs. \$18.00.

"Do Well" Lawn Seed. A mixture of lower priced grass seeds, equally clean but intended for back yards, or for temporary uses. 1 lb. 50c; 3 lbs. \$1.45; 5 lbs. \$2.25; 10 lbs. \$4.25; 20 lbs. \$8.00.

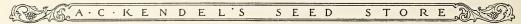


LAWN GRASS SEED

This is our well known and increasingly popular mixture of Grass Seeds that will actually make a lawn, no matter how shady nor what makes the shade. Sown early, before the leaves on the trees get started, it will come up promptly and stay all summer. Under Maples and Elms, it is well to put on a light sowing of fertilizer three or four times during the season and a good soaking, when necessary, due to the demands of the tree roots, which usually fill the ground and will cause any grasses to succumb, but in most shady places, SHADI=LAWN will survive better than any other. 1 lb. 70c; 3 lbs. \$2.00; 5 lbs. \$3.25; 10 lbs. \$6.25; 20 lbs. \$12.00; 100 lbs. \$57.50.

GRASS SEEDS

We carry a full supply of bulk grass seeds, Kentucky Blue and Canadian Blue, Fancy Red Top, White Dutch Clover, Bent Grasses, Fescue Grasses, Timothy, Poa Trivialis—all of the highest grades, thoroughly cleaned and all showing their purity and germination. Prices on application.



Vegetable Seeds

In ordering seeds to be sent by mail, please read what we say under "SEEDS BY MAIL" on the inside front cover page.

ASPARAGUS	AS	\mathbf{P}^{p}	ARA	$\mathbf{4G}$	US
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Asparagus seed is much sown to supply foliage for cut flowers, bu	it for	the vegetable,	two	year old
roots are used, which are ready in March.				
An ounce of seed will make about 200 plants.				

Zan Guide di Becu Will Indi		Pkt.	Oz.	¼ 1b.	Lb.
MARY WASHINGTON. Thi	variety is superseding all other	.10	\$.20	\$.60	\$2.00

BEANS—Dwarf or Bush—(Bush Bohnen)

Beans need more space than is usually believed—at least two inches apart in the rows. Being tender, none should be planted before middle of May, but successive plantings may be made until beginning of August. Unless the garden, through long use is well supplied with the proper legume bacteria, a 35c Composite bottle will inoculate all the Beans, Peas and Sweet Peas you will probably sow and will many times repay the trouble in larger yields. Bean Rust disease is aggravated if beans are cultivated when wet.

One pound will plant 50 feet of row.

One pound will plant 50 feet of row.			
GREEN PODDED SORTS			
Pkt.	½ lb.	Lb.	5 lbs.
Burpee's Stringless Green Pod. Round—thick; the earliest in our list and enormously productive	\$.30 .30 .35	\$.50 .50 .65	\$2.50 2.50 3.00
YELLOW OR WAX PODDED SORTS			
WARDWELL'S KIDNEY WAX. Flat; most popular sort in			
this locality	.30	.50	2.00
Improved Golden Wax. Round; good yielder	.30	.50	2.00
Sure Crop Stringless. Thick—flat; seed dark	.30	.50	2.50
Pencil Podded Black Wax. Round; brittle and stringless; seed	•00	•00	2.30
dark	.30	.50	2.50
BEANS—Field or Shell			
Large White Cranberry or Marrow Bean. Used as an Pkt. 1/2 lb. early shell bean	Lb. \$.35 .35	5 lbs. \$1.50 1.50	10 lbs. \$2.50 2.50

BEANS—Bush—Lima

Limas can not be planted as early as other beans, but time may be gained by opening a three inch trench the day before planting, so the sun will warm the ground enough, and sticking the seeds eye down, eight to eighteen inches apart according to the fertility of the soil and just deep enough to be in sight. As they sprout, fill up the trench. Cracked or broken seeds will not grow. When the bushes are well set with pods put a tablespoonful of fertilizer, high in phosphoric acid, around each plant which will greatly increase the yield.

Pkt. 1/2 1/3 1/3. Lb. 5 1/3 5.

will greatly increase the yield.	rkt.	/2 19.	LD.	o ibs.
Henderson's Bush Lima. An excellent bush form		\$.25	\$.45	\$2.00
FORDHOOK BUSH. Large thick beans of the best quality	.15	.35	.60	2.50
Burpee's Improved Bush Lima	.15	.35	.60	2.50

BEANS—Pole or Running

Pkt.

1/2 lb.

51bs.

Kentucky Wonder. (Old Homestead.) One of the very best				
green-podded beans\$.10	\$.25	\$.40	\$1.60
Kentucky Wonder Wax. This yellow podded sort is of similar				
habit to the above	.10	.30	.55	2.40
Scarlet Runner. Flowers bright scarlet, pods green	.10	.30	.50	2.25

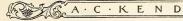
BEANS—Pole Lima

	,	Pkt.	½ Ib.	Lb.	5 lbs.
Early Leviathan.	Extremely productive	\$.10	\$.30	\$.50	\$2.15
King of the Garden	n. Uniformly large beans of excellent quality	7. .10	.30	.50	2.15

BEET—(Rothe Ruebe)

Sow in rows twelve to fifteen inches apart, one inch deep and thin as they grow until they stand two or three inches apart. The greens are very palatable. Unless the earth is firmly packed after the seeds are sown, the stand will be poor.

One ounce will sow 50 feet of row.	Pkt.	Oz.	¼ lb.	Lb.
EARLY WONDER. The earliest in our list. Globe shaped;				
deep red; matures uniformly. Good for later sowings	.10	\$.15	\$.40	\$1.35
Crosby's Early Egyptian. Extra early, dark red	.10	.15	.40	1.25
Detroit Dark Red Turnip. Best late sort	.10	.15	.40	1.35
Early Blood Turnip. (Edmand's.) The best beet for general				
crop	.10	.15	.40	1.25





BEETS (Continued) VARIETIES GROWN FOR FEEDING STOCK

Pkt.	Oz.	1/4 lb.	Lb.
. \$.10	\$.15	\$.30	\$.75
0		•	
	.15	.30	.75
ıt			
10	.15	.30	.75
		\$.10 \$.15 	\$.10 \$.15 \$.30

SWISS CHARD

Used wholly as greens. Sow the same as beet and thin to one foot apart, using as beet greens. As the remaining plants grow, break off the lower leaves as wanted until frost. Chickens are very fond of Chard.

		Pkt.	Oz.	¼ lb.	Lb.
Smooth Leaf Yellow.	Stems make a good substitute for aspar	-			
agus		. \$.10	\$.15	\$.40	\$1.25

BORAGE. See under Herbs

BROCCOLI—(Rosen Kohl)

Very much like Cauliflower but more easily grown. May be sown early in the hot-bed and set out middle of May, or sown outside in June for fall. Pkt. Oz. 1/1b. Lb.

Early Green Italian or Calabrese.	The variety best suited	to		/4	
our region		\$.25	\$1.50	\$5.00	

BRUSSELS SPROUTS—(Sprossen Kohl)

A variety of the cabbage family producing a great number of small cabbages an inch or two in diameter along the stem until severe frost. Cut off part of the stem of the lower leaves to give the Sprouts room to develop.

Improved Half Dwarf or Paris Market. Best adapted fo		02.	74 10.	LaD.
region	\$.10	\$.35	\$1.00	\$3.50

CABBAGE—(Kopf Kohl)

Aside from selecting cabbage seed of known origin and suitable for this locality the essential thing is to have the land free from the so-called Club Root disease. Cabbage should not follow a crop of Cauli-

flower, Turnip or Cabbage and the leaves of none of these should be				
otherwise cabbage plants will form large, worthless roots and no head.	For a	few head	ds in the	garden,
plants are ready in May.				
Sow one ounce for 3000 plants.				
	Plet	07	1/4 1h	Lb

Golden Acre. A new extra early round headed cabbage some-				
what smaller but a week earlier than Copenhagen Market\$.10	\$.80	\$2.50	\$8.00
Copenhagen Market. Heads are very solid, a most desirable				
kind for small gardens	.10	.60	1.75	6.00
True Early Wakefield. Very early pointed head variety of				
medium size	.10	.35	1.00	3.75
Holland or Danish Ball Head. One of the best keeping sorts				
for winter	.10	.40	1 40	4.50
Late Premium Flat Dutch. A standard variety; very large				
heads; used for kraut	.10	.30	1.00	3.25
Perfection Drumhead Savoy. Finely curled; keeps well; best				
for boiling	.10	.40	1.25	3.75
Mammoth Rock Red. The head is large, round and solid	.10	.40	1.25	4.00
Chinese or Celery Cabbage, Pe Tsai. Can be served as a salad				
or cooked like cabbage.	.10	.40	1.25	4.00

CARROT—(Gelbe Ruebe, Mohruebe)

Sow thinly, a half inch deep, thinning as they grow, leaving one plant every two or three inches. Rich soil is essential but fresh manure should be used the year before, so the carrots do not fork.

One ounce will sow 150 feet of row.

Pkt.	Oz.	⅓ lb.	Lb.
CHANTENAY or HALF LONG SCARLET STUMP ROOTED.			
The standard sort for general purposes, early or late\$.10	\$.20	\$.50	\$1.50
Early Scarlet Horn. Half-long, stump-rooted	.20	.50	1.50
Danver's Half-Long. A good keeper. Very productive	.20	.50	1.50
TARTERING OR OWN, BOD DEPOSITOR OF	OCI	,	

VARIETIES GROWN FOR FEEDING STOCK

THE PROPERTY OF THE PROPERTY O				
Improved Long Orange. Medium long		Oz. \$.20	¹ / ₄ lb. \$.45	Lb. \$1.50
Large Orange Belgian. Is very large and good quality	.10	.20	.45	1.50
Large White Belgian. Exclusively grown for stock; it is an im-				
mense cropper	.10	.20	.45	1.50





CAULIFLOWER—(Blumenkohl)

The weather has more to do with success in raising Cauliflower than almost any other vegetable. If it is cool, good heads may be expected, if not, the crop will be more or less of a failure, anything but the very best seed however, invites failure from the very outset. Because the price of seed runs into large figures is a very poor reason for trying to save a dollar on the seed. The crop is what you want and no poor seed will ever produce a good crop of anything except trouble and disappointment. One ounce will produce 3000 plants.

Plants ready in May			
	¼ Oz.	¹/₂ Oz.	Oz.
Danish Giant—Dry Weather. It is a valuable variety for grow-		·	
ing in sections having long dry seasons\$.25	\$1.00	\$1 75	\$3.00
Extra Early Dwarf Erfurt. Very white, compact heads	.75	1.25	2.50
Early Snowball. Dwarf and compact; very reliable for heading25	.75	1.25	2.50

CELERY—(Sellerie)

One important factor in raising celery from seed is to have the seed bed fine and the seed firmly packed down when it is sown, a half inch deep. Next it is necessary to keep it growing—a check in growth is sure to be followed by hollow celery. In the garden, plants which are ready in June, may be set out four inches apart between alternate rows of early corn, affording necessary shade at the start. After the corn is pulled the stalks should be removed to let the celery grow. Plant only the best plants.

Pkt.	Oz.	¼ lb.	Lb.
Golden Plume. A new very early variety of the Golden Self			
Blanching type; matures very early; brittle and handsome \$.10	\$1.80	\$6.00	\$15.00
Golden Self-Blanching. French grown; tall strain; most com-			
monly used; early sort	1 25	3.75	12.00
Large-Stalked, Golden Self-Blanching. Proven Stock. This			
seed we know to be pure and solid, and our growers need			
fear no failure on account of hollow celery	1.80	6.00	18.00
Giant Pascal. Best quality for fall and winter use; crisp and of			
an excellent flavor	.40	1.00	3.50
Giant Pascal Proven Stock. We have a little of the old seed	***	2000	0,00
that is of known purity. Date of crop on each package10	.45	1.25	4.00
Celery Seed for Flavoring. Used in flavoring pickles, soup, etc.,	.10		.60
occij beca ioi i iavornig. Osci in navornig pickies, soup, cic.,	.10		.00
CELEPIAC or Turnin Roated Colory			

CELERIAC—or, Turnip Rooted Celery

		Pkt.	Oz.	¼ lb.	Lb.
Large Smooth Prague.	Very popular.	\$.10	\$.35	\$1.00	\$3.00

CHERVIL—(Kerbel)—See under Herbs

CHICORY—(Chicorien)

The roots are dried and ground up to be either mixed with coffee or used as a substitute. Cultivated the same as carrots.

Pkt. Oz. 1/4 lb. Lb.

Pkt. Oz. ¼ lb. Lb.

Large Rooted. The variety most generally used......\$.10 \$.25 \$.75 \$2.50

Witloof. See under Endive.

COLLARDS

Belongs to the cabbage family but does not head, growing a tall leafy stalk, the leaves being cooked as greens.

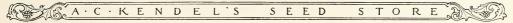
Pkt. Oz. ½ lb. Lb.

Georgia. The sort usually used largely in the south......\$.10 \$.15 \$.50 \$1.50



CORN—(Zucker Mais)

Plant in rows and thin out inferior stalks, leaving a strong stalk each foot or fifteen inches. Rows may be thirty inches apart for early dwarf and forty-eight inches for late tall sorts. Plant a half inch



CORN (Continued)

deep at first and deeper as the ground warms up, but three inches is the limit. The suckers should be twisted off when they get six or eight inches high and the stalks hilled up when a foot high. Shallow cultivating is important because the corn roots are near the surface. Two plantings may be made but if more are wanted, it is safer to plant later sorts early. May 10th is, on an average, the earliest safe date to plant corn, but a few plants can be started in small pots earlier and planted out after danger from frost has passed.

One pound will plant 100 feet of row or 100 hills.

One pound will plant 100 feet of row or 100 hills.	731 .	7 / 11	T 1	F 11	10.11
KENDEL'S EARLY GIANT. Our own introduction of	Pkt.	½ lb.	Lb.	5 lbs.	10 lbs.
1897 and still the largest eared, white grained Sweet					
Corn on the market and planted everywhere in the					
corn belt. It is sweet and tender and commands					
top prices because of its size. Roasting ears are	A = 0		Φ ==	0 10	A = = 0
ready in 60 days on sand	\$.10	\$.20	\$.35	\$1.40	\$2 59
eared Golden Bantam and grows on a taller stalk.					
It has lost none of the sugary sweetness that has					
made the latter so popular and the ears are two or					
three inches longer and only three or four days					
later	.10	.20	.40	1.50	2.75
Burpee's Golden Bantam. Our stock is Ohio grown	10	20	25	1.40	2 50
and thus suitable for this region	.10	.20	.35	1.40	2.50
Golden Bantam being a cross with Stowell's Ever-					
green. Stalks six feet; ears medium large and					
often two on a stalk	.10	.20	.35	1.40	2.50
White Cob Cory. The earliest genuine sweet corn.					
Quite acceptable on the table until the later, sweeter	4.0	20	25	# 40	2 = 0
Howling Mob. The description of Early Giant would	.10	.20	.35	1.40	2.50
fit this variety and it has become popular among					
the market gardeners in the east. Our stock is					
Ohio grown and dependable	.10	.20	.35	1.40	2.59
Black Mexican. Old timers appreciate this wonder-					
fully sweet corn. Many people think that because					
the kernels are blue they are poisonous and miss a					
real treat. Stalks are short, permitting close plant-	.10	.20	.35	1.40	2.50
ing; medium early	.10	·20	•00	1.40	2.50
sort, very sweet; kernels deep and thin and grow					
irregularly on the cob	.10	.20	.35	1.40	2.50
Stowell's Evergreen. The standard late sort. Large					
ears; deep grains; fairly sweet; largely used for	10	20	25	7 10	2.50
canning and drying	.10	.20	.35	1.40	2.50
CORN SALAD—(Acke	or Sal	at)			
·		-			
Sown and handled the same as lettuce and used in t	tne sam	ıe			
way.		Pkt.	Oz.	¼ 1b.	Lb.
Broad Leaved. The kind generally sown		. \$.10	\$.20	\$.75	\$2.50
CRESS—(Kresse	e)				
· ·		Pkt.	Oz.	¼ 1b.	Lb.
Both kinds of cress are used for salads, more often	to len	ıd		/4	
flavor.					
Peppergrass. Easily grown in a short time in the gard			\$.15	\$.30	\$1.00
True Water Cress. Grows along running streams and			=0	1.50	E 00
hot beds or the green house		10	.50	1.50	5.00
CUCUMBER—(Gi	mha)				
The chief difficulty with reising engumbers is the string		and the	ago may	he conor	arad by

The chief difficulty with raising cucumbers is the striped beetle and these may be conquered by early planting in sods or berry boxes end of April, to be set out beginning of June and then dusting the vines with Slug Shot after every rain. Plant out doors end of June for pickles.

P	kt.	Oz.	¼ 1b.	Lb.
IMPROVED WHITE SPINED. This variety has taken the lead				
for many years, not only as a cucumber but for thin pickles. \$.10	\$.20	\$.50	\$1.50
Davis Perfect. A dark green sort, tender and fine quality	.10	.20	.60	2.00
Improved Long Green. Late variety, flavor excellent	.10	.20	.60	2.00
Boston Pickling. Popular variety for pickles, bright green,				
short and symmetrical	.10	.20	.50	1.50
Chicago Pickling. End-tapering fruit of deep green color	.10	.20	.50	1.50



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DANDELION—(Pardeblum)

Although great quantities of wild dandelion greens are gathered every spring, few people know that the cultivated varieties have much larger leaves and are not as bitter.

Pkt.

Oz. ¼ 1b. Lb.

Improved Thick Leaved. The kind usually sown....\$1.0

EGG PLANT—(Eier Pflanze)

Potato bugs are just as bad on Egg Plants as they are on potatoes, so be ready with Arsenate of Lead or Slug Shot when they appear. The seed will not grow well under about 80 deg. temperature, so get potted plants end of May, if you want only a few and set them out two feet apart.

		Uz.		
Black Beauty. An extremely early variety	. \$.10	\$.60	\$1.75	
Early Long Purple. Rich dark color			1.75	
New York Improved Purple. The best for general culture	10	.60	1.75	

ENDIVE—(Endivien)—Escarolle

The slightly bitter taste of this excellent salad plant is an agreeable change from lettuce and is at its best when lettuce is past its prime. Endive is handled much like lettuce, taking longer to grow, but requires blanching, which is done when the plants are large enough, by gathering the outside leaves together and tying them with raffia, not at the ends but about half way up, a few at a time, allowing three weeks to blanch, when they must be used or they will decay. As frost comes the plants can be lifted, soil and all and stored in baskets in a cool place where they will keep for a month.

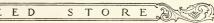
	Pkt.	Oz.	¼ 1b.	Lb.
White Curled. Light green, almost white		\$.20	\$.60	\$1.50
Green Curled. Nicely curled, dark green	.10	.20	.60	1.50
Green Broad Leaf Batavian. Leaves broad and smooth	.10	.20	.60	1.50
White Broad Leaf Batavian. Bleaches very easily	.10	.20	.60	1.50
French Endive (Witloof Chicory). This variety is grown from				
seed sown in May for the roots which are planted in the				
ground under the green house benches late in the fall after				
the leaves have been largely removed. They are planted				
close together and covered with soil or preferably saw dust				
to a depth of six or eight inches. In mid-winter the roots				
start to grow and the fresh, white sprout is the delicious				
salad plant shipped from Europe in great quantities during				
the winter	.10	.20	.60	2.00

HERBS-Sweet, Pot and Medical

A small space in the garden may be used to good advantage for the cultivation of a few of the most useful and desirable herbs. Their cultivation is very simple, but little care being needed beyond keeping down the weeds. Sow in April or May in drills twelve to fifteen inches apart, and thin out the young plants where they stand too thick.

	PKT.	OZ.
ANISE. (Pimpinella anisum.) An annual herb cultivated principally for its		_
seeds which have a fragrant, agreeable smell and a pleasant taste; used		
medicinally for aromatic cordials, colic and nausea. The leaves are some-		
times used for garnishing and flavoring	\$.10	\$.25
ANISE, for flavoringLB50		
BASIL, SWEET. (Ocimum basilicum.) A hardy, aromatic annual	.10	.25
	.10	edat U
BORAGE. (Borago officinalis.) A hardy annual used as a pot herb and for		
bee pasturage	.10	.25
BURNET, Garden Perennial	.10	.25
CARAWAY. (Carum carui.) A well known herb, cultivated for its seeds,		
which are used in confectionery, cakes, etc. The plants never seed till the		
	.10	.25
second year		
CHERVIL. (Curled.). Used like Parsley	.10	.30
CORIANDER. (Coriandrum sativum.) A hardy annual cultivated for its seed		
which has an agreeable taste and is used in confectionery and to disguise		
the taste of medicine.	.10	.25
	.10	
CORIANDER. For flavoringLB40		
DILL. (Anethum graveolens.) An annual of aromatic odor and warm pun-		
gent taste. Its seeds are used for seasoning. It posseses medicinal prop-		
erties but its largest use is for making Dill pickles. Plant branching, two		
to three feet high; leaves very much cut into thread-like segments; flowers		
small, vellowish, borne in umbels. Seed flat	.10	.20
	.10	*****
DIEE TOT HAVOTING	40	20
FENNEL, SWEET. (Foeniculum officinale.) A hardy perennial	.10	.20
FENNEL. For flavoringLB40		
HOREHOUND. (Marrubium vulgare.) A perennial herb with an aromatic		
odor	.10	.25
HYSSOP. (Hyssopus officinalis.) A hardy perennial with an aromatic odor	.10	.50
11 1350F. (Hyssopus Unichails.) A flatty perennal with an aromatic odor.	•10	.00
LAVENDER. (Lavendula vere.) A hardy perennial, growing about two feet		
high. It is used for the distillation of lavender water or dried and used to		
perfume linen	.10	.75





HERBS (Continued)		
MARJORAM, SWEET. (Origanum marjorana.) An aromatic herb for seasoning	.10	.40
ROSEMARY. (Rosmarinus officinalis.) A hardy perennial, with fragrant odor and a warm bitter taste. The leaves are used for flavoring meats and		
soups, and for medicinal drinks	.10	.50
flowers which are used principally for coloring, sometimes for flavoring and to make the cosmetic powder called rouge. The flowers should be picked		
while in full bloom	.10	.40
ing. It is also believed to possess medicinal properties. Hardy perennial,		
about fifteen to eighteen inches high. Plant very branching; flowers usually blue, sometimes pink or white; leaves grayish green, oval, wrinkled.		
Cut the leaves and tender shoots just as the plant is coming into flower and dry quickly in the shade. The plants will survive the winter and may be		
divided. If this is done they will give a second crop superior in quality SAVORY, SUMMER. (Satureia hortensis.) A hardy aromatic annual twelve	.10	.25
to fifteen inches high, the dried stems, leaves and flowers of which are extensively used for seasoning, especially in dressings and soups	.10	.40
SORREL. (Large leaved.) Perennial	.10	.20
TANSY. (For bitters.) Perennial	.10	.40
high, used principally for seasoning. Plant very branching with wiry foliage and small lilac flowers. Sometimes the leaves are used to make a tea		
for the purpose of relieving nervous headache. Sow as early as the ground	10	40
will permit	.10 .10	.60 .90
WORMWOOD. (Artemisia absinthium.) A perennial plant of fragrant and spicy odor	.10	.40
KALE—(Krausskohl, Blaetterkohl)		

Seed is started in May and the plants are set out in June a foot apart and handled like cabbage. After a light frost the leaves are cooked and served much like spinach.

One ounce will make 5000 plants. ¼ 1b. Lb.

Dwarf Curled Scotch. For fall and early winter use, sow the seed in spring. For late winter and early spring use sow in \$1.25 September\$.10 \$.15 \$.40 Tall Curled Scotch. A sort growing about two feet tall. .40

KOHLRABI—(Kohlrabi)

This is practically a turnip growing above ground. Sown early and thinly the bulbs are edible from the time they are two inches in diameter. By thinning and using, those that remain keep growing larger but they will finally get woody and worthless. It is not commonly known that the raw vegetable tastes like a mild radish.

¼ 1b. \$.30 \$1.00 \$3.00 3.00 1.00

LETTUCE—(Lattich Salat)

While lettuce may be had at the grocer's the year around, the garden still produces better than can be bought and its care and culture are so simple that the children can run that part of the garden. The worst pest is the Root Aphis and this is easily controlled with a sowing of Tobacco Dust in the furrow under the seed. An occasional watering with Nitrate of Soda will greatly aid lettuce to large size. Loose leaf sorts may be gathered when large enough—heading kinds should be transplanted or thinned to six inches apart and the less these are watered the better, to prevent rotting in the heart. Certain kinds are intended for inside; outdoors these are apt to be tough and bitter.

Pkt. Oz. ½ 1b. Lb.

	Pkt.	Οz.	¼ lb.	Lb.
GRAND RAPIDS. A leaf lettuce best suited for hot-beds or				
green house	0.1	\$.20	\$.60	\$2.00
) • TO	ψ .20	ψ ,00	Ψ2.00
Black Seeded Simpson. A curly leafed sort sown both outdoors				
and inside	.10	.20	.60	2.00
Big Boston. A fine, large heading sort both for forcing and				
outside; leaves red edged	.10	.20	.60	2.00
NEW HANSON. The best loose-leaf sort for home use out-				
side. Usable from the time it is large enough, and slow to			•	
	10	20	40	2.00
	.10	.20	.60	2.00
May King. The earliest heading sort for forcing	.10	.20	.60	2.00
ICEBERG. (New York.) The best large heading sort for out-				
side	.10	.30	1.00	3.00
Trianon Self-Closing Cos. A late heading sort, growing tall	***		2000	
	.10	.20	.60	2.00
	.10	.20	.00	2.00
Mignonette. (Brown Dutch.) A late heading sort that will				
withstand the cold longest	.10	.20	.60	2.00
<u> </u>				



LEEK—(Lauch) Much like an onion in flavor but has no bulb. Used mostly in soups. · Pkt. Oz. 1/4 lb. Lb. American Flag. A long-growing variety; easily blanched.....\$.10 \$.25 \$.75 \$2.50 Large Rouen. A short, heavy sort..... .25 .75 2.50

WATER MELON—(Wasser Melone)

Plant six or eight seeds in hills eight feet apart in which a peck of well rooted manure or compost has been spaded in and when they are beginning to vine leave three plants to a hill. Keep Slug Shot handy, for the bugs. Only early kinds will get ripe here, so our list is not long.

One ounce is needed for 20 hills.

	Pkt.	Oz.	¼ 1b.	Lb.
Ice Cream. Ferry's Peerless. Medium size; oblong; very sweet	10	\$.15	\$ 40	\$1.00
Kleckley's Sweets. Large size, oblong, early, finest flavor and	, .10	φ •πο	φ .40	\$1.00
quality		.20	.45	1.50
Mountain Sweet. Very solid and crisp, early	.10	.15	.40	1.00
Sweet Heart. Large, very tender and sweet	.10	.15	.40	1.00
Tom Watson. Dark red flesh of splendid flavor. A little later				
than the other sorts	.10	.15	.40	1.00

MUSKMELON—(Zucker Melone)

Cultivated the same as Watermelons but the hills may be six feet apart. The flavor will be spoiled if cucumbers are grown near by. Oz. 1/4 lb. Lb. Extra Early Nutmeg. Small but so early that it is sure to .20 \$.60 \$2.00 Emerald Gem. Very early; salmon flesh; dark green skin....

Extra Early Hackensack. Round; good size; green flesh....

Rocky Ford. Medium early; oval; sweet; ships well...... .10 .20 .50 1.75 .10 .20 .60 2.00 .10 .20 .50 1.75 Bender's Surprise. Oval shaped; salmon flesh which is very thick; large size and fine flavor, netted skin..... .10 .20 .60 2.00

.20

.20

.20

.60

.50

.50

2.00

1.75

1.75

MUSTARD—(Senf)

Paul Rose. Orange yellow flesh; oval; fine flavor; best in heavy

The green leaves are used as a salad or boiled like spinach. Sow a half inch deep in rows eighteen inches apart, every few weeks in the summer if a continuous supply is wanted. The seeds of both kinds listed are largely used in pickles and the white is the mustard of commerce.

		ı Pkt.	Oz.	¼ 1b.	Lb.
White English.	The kind commonly used for sowing	\$.10	\$.20	\$.40	\$1.00
Brown, Sown	with garden Cress for green salad		.20	.40	1.00

MUSHROOM—(Erdschwamm)

The chief essential in raising Mushrooms indoors is a controlled temperature. The ideal temperature is 65 deg. Fahr. but it should not vary more than 5 degrees to attain the greatest success. A pamphlet dealing at length with the growing of Mushrooms will be furnished with an order for Spawn, or for 5c in stamps or coin.

Pure Culture Spawn, Direct Briston, Direct Briston,

Pure Culture Spawn. Direct Bricks. Best brick spawn on the market, per brick 40c, 3 for \$1.00, 10 bricks \$3.25. For larger quantities please write for price.

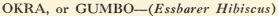
Lambert Pure Culture Spawn. In quart milk bottles. In this form the spawn is of the highest potency. Per quart, \$1.50, 2 quarts \$2.50, carton of a dozen quarts for \$12.00.

ONION—(Zwiebel)

To grow large onions from seed, it is necessary to have light, very rich soil, seed adapted to this climate and patience to keep the weeds out. Sow thinly, one-fourth inch deep in rows a suitable distance apart. Grown from setts, onions need quite as much care but more are used for bunching before they form bulbs and soil need not be so extremely rich; they get large very much sooner also but will not keep as long in storage. In the fall we have the hardy Egyptian Onion setts; in the spring the yellow and white bottom setts. Price on request.

One ounce of seeds for 100 feet. One pound of setts for 50 feet.

One dunce of seeds for 100 feet. One pound of seets for to feet.				
1]	Pkt.	Oz.	¼ 1b.	Lb.
Large Red Wethersfield. Large, flat, late variety\$.10	\$.25	\$.75	\$2.50
Southport Red Globe. Medium, round	.10	.30	1.00	3.00
White Silverskin. Somewhat flat, medium size, mild flavor and				
largely used for pickling	.10	.30	1.00	3.00
Southport White Globe. Deeper through but much like the pre-				
ceding and much used for pickles	.10	.40	1.25	4.00
PRIZETAKER. Nearly globe-shaped; yellowish brown skin;				
mild flavor. This sort may be sown early in hot-beds and				
transplanted when warm enough and by fall will make a				
very large onion, passing for Bermudas	.10	.30	1.00	3.00
YELLOW GLOBE DANVERS. Grown in larger quantity than				
all others combined. Our standard yellow winter onion	.10	.25	.75	2.50
For onion seed in large quantities, write for special price.				



The young seed pods are cut up, and used for soups and stews. Sow thinly in rows in June and thin to two feet apart each way.

	Pkt.	Oz.	½ 1b.	Lb.
Tall Green. Grows two to three feet high	\$.10	\$.15	\$.30	\$1.00
White Velvet. Dwarfer and pods light green. Best sort	10	.15	.30	1.00

PARSLEY—(Petersilie)

The chief difficulty with parsley is to get the seed up, which is because it takes five or six weeks to germinate. Sow the seed thinly, about one-fourth inch deep, early in April and cover with a thin board and you will have no trouble. Thin the plants to three inches apart. A few small plants in a pot will grow nicely in the house during the winter.

	Pkt.	Oz.	¼ lb.	Lb.
Plain Leaved. Much used in soups, etc	\$.10	\$.20	\$.40	\$1.00
Extra Double Curled. A choice variety, well curled	10	.20	.50	1.50
Hamburg, Large Rooted. The roots are used in winter	10	.20	.50	1.75

PARSNIP—(Pastinak)

Being a plant that requires all season to mature, it is essential to sow early in May and get the seed up the first time. A beating rain may harden the ground and prevent the delicate sprouts from coming through, therefore sow a little early radish in the row along with the parsnip, which will break the crust for the latter. Sow a half inch deep and thin to two or three inches apart. Never try to raise parsnips on freshly manured land as they will grow forked roots of little use.

Use one ounce of fresh seed to 200 feet.

Pkt. Oz. ¼ lb. Lb. GUERNSEY HALF LONG. The best sort to use in this region. \$.10 \$.15 \$.30 \$ 1.00

PEAS—(Erbsen)

If you have the room, few vegetables taste so good as home grown peas. They should be sown early, the earliest in March, an inch deep at first and as the ground warms up, deeper but not over three inches. Later sowings, say July, are apt to be disappointing, so it is better to sow early, medium and late sorts at the same time, the later sorts making larger pods and seeds. It pays to inoculate the seed with Legume Bacteria, same as beans. If the pods are not well filled, the soil lacks phosphorus, and if the vines do not grow well the soil should be limed before the next season.

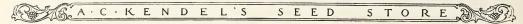
A pound will sow 50 feet of row.

The position of 2000 of 2000	Pkt.	½ 1b.	Lb.	5 1bs.
KENDEL'S FIRST OF ALL. For many years the best smooth,		/2 101		
extra early sort		\$.20	\$.35	\$1.50
Little Marvel. The earliest wrinkled sort. Should not be sown		*	*	•
until the ground is warm	.15	.25	.40	1.75
NOTTS EXCELSIOR. In this locality this has, for many years				
been the best all round early, wrinkled variety both in qual-				
ity and yield. The ground must be warm to get a good				
stand	.15	.20	.35	1.50
Gradus. In some localities this large podded sort is extensively				
used but in others does not fill well. Seeds very large, sweet				
and tender; an excellent sort where they will yield	.15	.20	.40	1.75
PIONEER. A very hardy wrinkled sort suitable for early plant-				
ing. Pods are large and well filled resembling the Tele-				
phone. The peas are large and of splendid quality which				
they retain for a long period. Vines grow two feet; suit-				
able for successive plantings	.15	.25	.45	2.00
Blue Bantam. One of the newer sorts; heavy cropper and				
good quality	.15	.25	.45	2.00
DWARF TELEPHONE. The best late dwarf sort. Large, well				
filled pods; seeds large, tender and sweet	.15	.25	.40	1.75
Tall Telephone. If brush can be had for them to run on, tall				
peas will greatly out-yield the dwarf sorts. This is the				
leading tall variety	.15	.20	.35	1.50
DEPPER (Pfoffer)				

PEPPER—(Pfeffer)

Pepper seed needs a temperature of 80 deg. to sprout so if you need only a few, get the plants from us in latter part of May. Set two feet apart.

An ounce of seed makes 3000 plants.				
	Pkt.	¼ oz.	Oz.	¼ 1b.
Harris' Early Giant. A new, sweet variety growing 5 inches		74		, ,
long and 3½ inches in diameter	\$.10	\$.25	\$.75	\$2.25
Chinese Giant. A square, sweet pepper, large and mild. A		*	* **-	
rather late sort	.10	.25	.75	2.25
World Beater. Somewhat thicker at the blossom end; rather				
early. Grows in clusters	.10	.20	.60	2.00
Bull Nose. A large, hot pepper used for pickling	.10	.20	.60	2.00
Long Red Cayenne. A slender, very hot pepper, used wholly				
for pickles. Makes the red pepper of commerce	.10	.25	.7 5	2.50
Pimento. A medium sized, very mild, sweet variety with thick				
flesh	.10	.20	.60	2.00
Red Chili. Very small and very hot	.10	.30	1.00	3.00



PUMPKIN—(Kuerbis)

A few pumpkins may be grown without much trouble, sufficient room being essential and good soil also.

One ounce makes 30 hills.		0	- / 11	
	Pkt.	Oz.	¼ lb.	Lb.
Connecticut Field. The common, large field pumpkin		\$.15	\$.30	\$.90
Sweet or Sugar. The small, orange yellow pie pumpkin	10	.15	.30	1.00
Cushaw. A crooked neck sort	10	.20	.50	1.75
Mammoth Potiron. The largest; very thick, fine grained, sweet	et			
flesh; cream colored skin; flat at the ends	10	.25	.75	2.50

RADISH—(Rettig)

What is a garden without a row of Radishes? They are easily and quickly grown and so much better when freshly pulled. The important thing is to have the early radishes grow quickly, so they should not be sown too early outdoors. Tobacco Dust sown in the row with the seed prevents wormy radishes.

One ounce sows 100 feet.				
EARLIEST SCARLET GLOBE. The quickest maturing radish.	.10	\$.20	\$.50	\$1.25
Early White Tipped Scarlet Turnip. Attractive appearance		.20	.50	1.25
French Breakfast. Oval in form; white tipped		.20	.50	1.25
WHITE GIANT STUTTGART. The best mid-summer sort		.20	.50	1.25
White Icicle. The best long white sort	.10	.20	.50	1.25
Long Black Spanish. The leading long, winter sort		.20	.50	1.25
Round Black Spanish. The leading round winter sort		.20	.50	1.25
Scarlet China Winter. A half long sort, thicker at the bottom	.10	.20	.50	1.25

RHUBARB—(Rahbarber)

Rhubarb requires an abundance of rich soil and water to make a good crop. Use a liberal dose of Sheep Manure with a small amount of Nitrate of Soda dug in around the roots very early in the spring. A barrel with both ends out set over a plant will make longer stems and earlier. It takes four years for seed to produce a crop, but roots, which are ready in April, produce the second year.

SALSIFY—(Haferwurzel)

Commonly called Oyster Plant because it tastes so much like oysters. A winter vegetable but little appreciated by most people, but greatly liked by those who know it. Early Radish seed sown with salsify will assure a good stand as it is important to get it up well the first time so the roots will be large enough. Like parsnips, they may be left in the ground in winter and dug as wanted. If frozen when dug, will thaw out, without injury in icy cold water.

Use one ounce to 50 feet of row.

							Pkt.	Oz.	⅓ lb.	Lb.
Mammoth Sandwich	Island.	For	many	years	the	only	sort			
used				• • • • • •			\$.10	\$.30	\$1.00	\$3.00

SORREL—(Sauerampfer)—See under Herbs

SPINACH—(Spinat)

The ordinary spinach may be sown almost any time that anything can, spring, summer or fall and is ready for use three or four months after sowing. Thin to three inches apart. The New Zealand Summer is planted early, two seeds in a group, the groups two feet apart. Being a runner, the ends are picked to be followed by more as the plant grows. A watering with Nitrate of Soda, increases the yield.

	kt.	Oz.	¼ lb.	Lb.
Viroflay. A large, thick leaved sort for both spring or fall sowing\$.10	\$.15	\$.20	\$ 50
Savoy Leaved, Re-selected. Intending either for very early or for fall sowing. Thick, dark leaves; good keeper		.15 .15	.20 .20	.50 .60
NEW ZEALAND SUMMER. Yields continuously, the tips only being used. Profitable in the smallest garden, three or four plants producing a peck each week	.10	.15	.30	1.00
Diberal reduction anowed on larger quantities.				

SQUASH—(Speise Kuerbis)

The chief trouble encountered with squashes is caused by the bugs and borers. A dusting of Slug Shot after each rain will check the bugs but the borers in the stem, which attack the running sorts can be circumvented only by causing the vines to root at three or four of the joints by covering with soil, so that, when the borer gets into the main stem and would kill the vine, the roots at the joints would be sufficient to sustain it and no damage would result. This simple precaution has saved many acres of squash. Plant six or eight seeds in a hill, the early three or four and the late sorts twice as far apart, after middle of May and the ground is warm.

One ounce makes 40 hills of early and ten of late sorts.	Pkt.	Oz.	¼ 1b.	Lb.
EXTRA LARGE GOLDEN BUSH. For many years the leading yellow scallop variety. Large and fine	\$ 10	\$.20	\$.60	\$1.75
Giant Summer Crookneck. The most popular yellow sort of this	Ψ .10	Ψ .20	Ψ .00	Ų 112 U
type	.10	.20	.60	1.75

A.C.KENDEL'S STORE SEED

				7
SQUASH (Continued)				
Boston Marrow. An early winter sort, medium size; orange	Pkt.	Oz.	1/4 lb.	Lb.
color skin	.10 .10	.20 .20	.50 .60	1.50 2.00
Hubbard Delicious. Top shaped; medium size; dark green skin; dry and	.10	.20	.60	2.00
sweet, for winter use	.10	.20	.60	2.00
melon shaped; for summer use. Vines running	.10	.20	.60	1.75
curved. At their best when six or eight inches long	.10	.20	.60	1.75
TOMATO—(Liebesapfel)				
More and more Tomatoes are being recommended for their food vecoking. A few should be in every garden and if grown and tied to p be kept tidy. Start the seeds early or get the plants from us later at more if you can, but clip off all the lower leaves and half the rest when of water at the time will prevent wilting. Should the vines still have frost pull them up and hang them up by the roots in a cool part of the will ripen. A little Nitrate of Potash two or three times during the exbenefit.	lant s nd set setti green e cella	takes 30 in them dee ng them. fruits on ar and even	nches apa p, six ind This and the appro n the sma	rt may ches or plenty oach of all ones
	Pkt.	¹ / ₂ oz.	Oz.	¼ 1b.
uary for best results inside. EARLIANA. The earliest for outside. Smooth, red, round but	\$.10	\$.25	\$.40	\$1.25
slightly flattened; good yielder until mid-summer	.10	.25	.40	1.25
John Baer. Very early round, bright red variety, good shipper. Acme. An old sort, purple color, good yielder and suitable for	.10	.25	.40	1.25
canning or ketchup	.10	.25	.40	1.25
and of medium size. Second early	.10	.30	.50	1.50
ing purple, large, smooth and handsome	.10	.25	.40	1.25 1.25
Stone. Best for canning. Heavy yielder	.10 .10	.25 .25	.40 .50	1.50
LIVINGSTON'S GLOBE. Purplish-pink, main crop sort; fruit somewhat elongated at the blossom end	.10	.30	.50	1.50
Matchless. Large, smooth solid, main crop sort; color bright red	.10	.30	.50	1.50
Ponderosa. Immense size; small seed cavities; very solid; purplish pink; very mild flavor	.10	.40	.75	2.00
Golden Ponderosa. Like the preceding except in color	.10	.50	.90	3.25
Trucker's Favorite. Very similar to Beauty	.10 .10	.30 .30	.50 .50	1.50 1.50
Early Detroit. Large, very early purplish pink variety Marglobe. A sort developed by the Dep't of Agriculture from Marvel and Livingston's Globe, but heavier and better	.10	.30	.50	1.50
yielder than the latter; pure scarlet; globe shaped Yellow Plum. Small yellow fruits used for garnishing and pre-	.10	.40	.75	2.00
serves Red Cherry. Used for preserves.	.10 .10	.60 .60	.90 .90	3.00 3.00
TOBACCO—(Tabak)	•10	•00	.,,	0,00
Connecticut Seed Leaf. This kind is more largely used in this				
locality than any other	\$.10	\$.30 .30	\$.50 .50	
TURNIP—(Weise Ruebe)				
For home use for winter, Turnips, sown after July first and until m and palatable, though not so large than if sown early. Early sown ma soon get strong and woody. Ruta Bagas should be sown early and	iddle y be transp		are much half gro	milder wn, but inches
Early Snowball. Nearly round; pure white; best early	Pkt. \$.10	Oz. \$.15	\$.30	Lb. \$1.00
White Egg. All white, oval sort for both early and late RED or PURPLE TOP WHITE GLOBE. The leading main	.10	.15	.30	1.00
crop sort for late; does best on light soil	.10	.15	.30	1.00
orange Jelly or Golden Ball. A yellow flesh turnip, for late	.10	.15	.30	1.00
sowing IMPROVED PURPLE TOP RUTA BAGA. The best and prac-	.10	.15	.30	1.00
tically the only one of this type sown here	.10	.15	.30	1.00
12				

Culture and Care of Flowers

N OUR List of Flower Seeds will be found all those varieties known to be desirable and worthy the attention of florists and amateurs. Our Catalogue is arranged with a view to aid our patrons in their selection by offering the very best varieties of each species, and to avoid the confusion attending the selection from catalogues in which the greatest possible number of varieties are presented, regardless of their value, many of which only disappoint the cultivator by taking time and garden space which might otherwise be used in growing better flowers.

Success. With patience and the exercise of reasonable judgment, anyone may soon acquire experience enough to successfully grow most of the species of flowers; failure more often REQUIRED in any event.

Requisites. A few suggestions may prove of value to those who are unfamiliar with floriculture: the selection of the seeds, the preparation of the flower-beds or borders, the choice of location best suited to each species, the use of fertilizers, the time and manner of sowing seeds or of setting plants, the destruction of noxious weeds and injurious insects, and many other details incident to the cultivation of a flower garden—each of which requires care and more or less skill.

Reliable Seed. is the first requisite. We spare no pains or expense to procure the VERY BEST. A thorough trial of our seeds will do more to establish this fact in the minds of statement made by us would be likely to do.

Causes of Failure. The seeds of some of the species are very small and delicate, and from many causes are liable to fail, particularly when sown in the open ground. IF SOWN TOO EARLY, the earth lacks the warmth necessary to insure germination; IF COVERED TOO DEEPLY, the delicate sprouts cannot force their way through; IF HEAVY RAINS ENSUE, the seeds may be entirely washed away or the soil beaten down and crusted over, or perhaps left in such a wet condition as to cause the seed to decay. Again, the sowing may be followed by EXTREME HEAT AND DROUGHT, and if the seeds have started to germinate the germs are liable to become dry again, in which case they are utterly ruined.

When and How to Sow.

The first of May is early enough, in this latitude, to sow most of the species in the open ground; too early sowing is a great mistake. The small and delicate seeds must be covered VERY LIGHTLY with earth; the finest of them had better be sown WITHOUT ANY COVERING, the simple pressure of a smooth board being sufficient. Repeated experiments with various kinds of delicate seeds, induces us to advise in addition, the covering of such seeds with sheets of newspaper until they are through the ground, thereby preventing the surface evaporation, which so often causes failure, besides protecting the seeds from being forced into the ground so deeply through careless watering, that they could not sprout. A light covering of fine Peat Moss will greatly increase the stand without harming the most delicate sprouts. Very delicate seeds, such as Salpiglossis and Giant Petunias are easily sprouted by filling the hollow side of a common brick with finely sifted soil on which the seed should be thinly sprinkled and the brick kept in a pan of water until the plants are large enough to transplant. By following one of these methods, many seeds that are rather difficult to start may be quite successfully grown. The larger and more hardy seeds may be planted deeper and some of them earlier. It is a safe rule to sow most seeds to a depth of FOUR OR FIVE TIMES THE DIAMETER of the seed itself.

Location.

A rather light sandy loam suits most flowers, and, in such soils, seeds generally germinate well. Some flowers thrive best in a rather shady situation and in rather heavy the full rays of the sun; this is particularly true of the Portulaca.

Early Sowing.

The seeds of nearly all the annual varieties, and many of the biennials and perennials, may be sown in March or April, under glass frames, in greenhouses, or in small boxes in any window. In this way a good stock of plants may be had at small expense, and a gain of several weeks made in the season of blooming; less weeding of the flower-beds will be necessary, and, when the plants are set out of doors further transplanting is not required. Shallow boxes, two or three inches deep, and with open seams at the bottom are the best in which to start the seeds. Fill these boxes to within half an inch of the top with good rich soil, mixed with about one-fourth sand; or, if convenient, procure some fine leaf mould from the woods. Make the surface level and smooth, and upon this scatter the seed sparingly. Use a fine sieve, with which sift carefully over the seeds just enough earth to cover them. Afterwards gently shower them with tepid water, using a fine sprinkler, and keep the boxes in a temperature as near 60° as possible. Avoid much watering unless the surface of the soil appears dry. Transplant into other boxes when the plants are large enough to handle, setting them from half an inch to an inch apart. Sometimes the young seedlings are attacked by a minute fungus, which causes them to "damp off." Lack of sufficient ventilation aggravates the trouble. By first treating the seed with a light dusting of Semesan, described more fully in the back of this catalogue, the danger from this source may be practically eliminated. However, if it does appear, no time is to be lost in transplanting the unaffected plants into other boxes. In setting plants out into the beds or borders, allow a liberal space for each; crowding too many into a small area is a mistake very often made. often made.

Late Sowing. Most of the biennials and perennials may be sown late in the summer, from the middle of August through September, and they will then bloom the following season. When cold weather sets in, about the only protection necessary for the young plants is a covering of leaves, straw or litter to a depth of three or four inches, and a board on top to keep it in place. They should be uncovered soon after the middle of March.

Fertilizing. No matter what the soil is, heavy or light, the three major fertilizing elements are Nitrogen, Phosphorus and Potash re-enforced by plenty of humus or rotted vegetable matter, which is most easily obtainable from the compost heap or from sheep manure. Bone Meal ranks high as a source of Nitrogen and more particularly of Phosphorus and there are many brands of fertilizers that combine all three elements in varying amounts and in the total. The greater the total, the more sparingly should it be applied to avoid burning. The seed beds, in which plants are started, to be transplanted later, should be no richer than the garden and better results will follow if somewhat poorer. Put the fertilizer in the garden before or at the time of transplanting and if plants are not growing properly later on, water the ground around them with Nitrate of Soda or Nitrate of Potash two or three times, a teaspoonful of either in a gallon of water.

Annuals, Biennials, Biennials, Biennials and Perennials. Annuals are those plants that bloom the first year from seed, and, after ripening their seeds, perish the same season. They comprise many of the most beautiful flowers, and, as a rule, are of easy culture. Some of the Biennials and Perennials will flower the first season if the seed they may then be kept over for another year or longer. Pansy, Snapdragon, Pinks, etc., belong to this class. Biennials bloom the second year from planting the seed, and then die. Perennials, as a rule, bloom the second year, and are more or less permanent thereafter. The seeds of some of the Perennials remain a long time in the soil before germinating. Several species of the Biennials and Perennials will succeed well if the seeds are sown in early autumn. Annuals.



VINES

For Walls, Trellises, Porches and Pergolas

Balloon Vine Balsam Pear Beans, various Canary Bird Vine Cardinal Climber

Cobaea Cypress Vine Dolichos Gourds Japanese Hop Hyacinth Beans Kudzu Vine Moonflower Morning Glory Nasturtium, tall Passion Flower Sweet Peas, annual Sweet Peas, hardy Thunbergia

TRAILING PLANTS

For Window Boxes, Hanging Baskets and Vases

Forget-me-not Ice Plant Lobelia Mimulus Linaria

Nasturtium, tall Petunia

Portulaca

LOW GROWING PLANTS FOR BORDERS AND EDGINGS

Ageratum Alyssum, white Alyssum, hardy Begonia Bellis Campanula Carpatica Candytuft

Carnation

Coleus Daisy Dianthus Eschscholtzia Feverfew Forget-me-not Four O'Clocks Godetia

Gomphrena Heuchera Kochia Lobelia Marigold, dwarf Nasturtium, dwarf Pansies Petunia

Phlox Poppies Polyanthus Salvia Torenia Verbenas Viola Cornuta Zinnias, dwarf

PLANTS FOR THE SHADE

Aconitum Aquilegia Coreopsis Lanceolata Daisies Forget-me-not Four O'Clocks Gaillardia Grdfl. Kudzu Vine Mimulus

Nemophila Pansies

PLANTS FOR GREENHOUSE AND CONSERVATORY

Regonia Calceolaria Carnation, Chabaud Cineraria

Coleus Cyclamen Gloxinia Heliotrope

Ammobium

Cleome

Chrysanthemum

Passion Vine Primulas Schizanthus Sweet Peas

Torenia Verbena, Lemon Viola Odorata

PLANTS WITH ORNAMENTAL FOLIAGE

Amaranthus Canna Centaurea

Euphorbia Ice Plant Coleus Begonia Kochia Eschscholtzia

Linaria

EVERLASTING FLOWERS

Acroclinium

Elichrysum

Gomphrena

THE MOST USEFUL FLOWERS FOR BOUQUETS

Achillea Aconitum Acroclinium Ageratum Ammobium Anchusa Antirrhinum Aquilegia Arctotis Asters Balsam Calendula Campanula Candytuft Carnation

Coreopsis Cosmos Dahlia Daisy, Shasta Dianthus Dimorpotheca Elichrysum Feverfew Gaillardia Gomphrena Gypsophila Heliotrope

Heuchera Larkspur Lupin Marigold Mignonette Nasturtium Nigella Pansy Pentstemon Petunia Phlox Poppy Pyrethrum Rudbeckia

Salpiglossis Salvia Scabiosa Schizanthus Stocks Sunflower Sweet Peas Sweet Sultans Sweet William Valeriana Verbena Vinca Wallflower Zinnia

HARDY PERENNIALS

Achillea Aconitum Alyssum Saxatile Anchusa Aquilegia Baptisa Bocconia Campanula Candytuft, hardy Carnation

Chrysanthemum Coreopsis Daisy Dictamnus Forget-me-not Foxglove Gaillardia Geum Gypsophila Heuchera

Hollyhocks Kudzu Vine Larkspur Lupin Monarda Oenothera Pentstemon Phlox Physalis Physostegia Polvanthus Poppy Pyrethrum Rudbeckia Sweet Peas Sweet William Valeriana Veronica Viola Cornuta

General List of Flower Seeds

Our wide acquaintance with the trade, both in this country and abroad, places us in constant touch with the leading experts and specialists in seed growing from whom we buy direct. This not only reduces chances for error but fixes responsibility, assuring us of the choicest seeds and the latest introductions. We strive to make our list as complete as possible but of only such kinds as we know are suitable for this locality. Our friends may therefore feel sure of success with their selections under reasonable weather conditions.

In ordering, the numbers are sufficient.

ACHILLEA. (Milfoil or Yarrow.) NO.
1 Ptarmica "The Pearl." One of the best
Proposition of the best
Proposition of the best PKT. rtarmica "The Pearl." One of the best hardy white perennials. From spring till frost it is covered with heads of purest white double flowers. Easily grown from seed, flowering the first sea-son if sown early. 2 ft......

ACONITUM. (Eisenhut.) (Monk's Hood.) Hardy perennials with panicles of blue helmet-shaped flowers in the fall.

Napellus. Well adapted for growing among the shrubbery and shady corners; 4 ft..... 2 Napellus.

.10

ACROCLINIUM	
Beautiful and valuable everlasting fl	
Easily grown and used extensively for	winter
bouquets. Annuals. Bright Pink and White	. 1 ft.
NO.	PKT.
3 Single Mixed	10
4 Double Mixed	
4 Double Mixeu	,, ,10

N

 $A \cdot C \cdot K E$



6 in.
Little Blue Star. An attractive mauve blue. 4 to 5 in. .10

Plants ready in May.

AGROSTEMMA. (Rose of Heaven-Mullien Pink.)
Pretty, easily grown, hardy perennial, blooming
the first year, if sown early. Silvery white leaves;
flower stalks 2 ft.
9 Coronaria atrosanguinea. Glowing crim-

10 Coronaria Mixed. Including white

AMARANTHUS. (Amarant.)
Highly ornamental foliage plants, producing a striking effect in the flower garden. Sow the seeds early, and set out last of May, or in June, in rich soil. Annual.

13 Tricolor (Joseph's Coat). Red, yellow and green foliage, very attractive; 2 ft...10

ANCHUSA. (Alkanet.)
Italica, Dropmore Variety. One of the best hardy perennials. Is becoming more popular each season, bearing flowers of the richest gentian-blue. Blooms freely all summer. 5 ft.....

ANTIRRHINUM. (Snapdragon.)

ANTIRRHINUM. (Snapdragon.)
(Loewenmaul.)
Within the last few years Snapdragons have become immensely popular. This is not to be wondered at, as, whether used for cutting or for show in the garden, they are one of the most valuable flowers which can readily be grown from seed. Sown out of doors the first week of May, the plants bloom early in July, remaining in full flower until November. For earlier



ANTIRRHINUM (Snapdragon)

flowering, start indoors or in a frame in March, transplanting to the open when the weather is

If troubled with rust, dust the plants with powdered sulphur.

TALL MAXIMUM

The following list comprises the principal colors of the newest creation in Giant Snapdragons be-ing a marked advance in size and brilliancy of color as well as compactness of flowers on the stem.

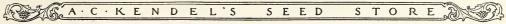
	Plants ready end of May	
NO	P.	KT.
15	Apple Blossom. Rosy pink, yellow lip	.10
16	Brilliant Chamois. Rosy mauve	.10
17	Canary Bird. Canary yellow, golden cen-	
	ter	.10
18	Cerebus. Carmine rose, yellow lip	.10
19	Copper King. Velvety copper scarlet	.10
20	Diamond. Golden yellow, lilac throat	.10
21	Fire Flame. Dark purple and yellow	.10
22	Golden Queen. Deep yellow	.10
23	Indian Summer. Velvety copper	.10
24	Purple King. Glowing deep purple	.10
25	Ruby. Rich velvety ruby red	.10
26	Snowflake. Pure white, yellow tube	.10
27	The Rose. Rose pink	.10
28	Wallflower. Brownish orange, copper red	.10
29	LAKEWOOD PRIZE MIXTURE. To all the above, we add some of the spotted and variegated sorts making a wonderful show. ¹ / ₈ oz. 50c	.10
	5HOW: /8 0ZI 0VC	•••

AQUILEGIA. (Columbine.) (Akeley.) Plants ready early in May.

No hardy plant grown from seed is more easily handled than the Columbine. Seed may be planted in the open ground early in spring, and will bloom the same season; or they may be planted in August or September, and will come up early in spring to make vigorous plants, which will bloom abundantly during late spring and early summer. summer.

Columbines should be planted wherever their presence will serve to lighten up a too stiff and formal planting, for no other plant is more generous of its blooms, or is more effectively adapted

for	cut flowers. 1½ ft.	
30	Caerulea (Rocky Mountain Columbine).	
	Violet-blue and white mixed	.10
31	Californica Long Spurred Hybrids.	
	Brightest colors	.10
32		.10
33	Mrs. Scott Elliott's Strain The finest	
	development of the long spurred type and	
	a great variety of colors. The seed is	
	imported by us from England and does	
	exceedingly well here	.25
34		
	spurs and produces very large single	
	flowers, black-violet with white corolla.	
	A rare flower in our gardens	.25
35	Hybrid Double Mixed. Choice colors	.10
	ARCTOTIS GRANDIS. (African Daisy.)	
36	A splendid annual with large daisy-like	
	flowers of a pure white, the reverse of	
	the petals being a pale lilac. Easily	
	grown in the sun. Valuable for cutting	
	from July until frost	.10



ASTERS

(Schoenkranz, Aster.)

(Schoenkranz, Aster.)

This flower is not only one of the most popular, but also one of the most effective of our garden favorites, producing flowers of great richness and variety of color, in the most perfect and beautiful form during the late summer and early fall. They bear a striking resemblance to Chrysanthemums and are fully as useful for cut flowers.

If Asters are grown in the same spot a few times, they are apt to be attacked by a disease that turns them yellow before they flower. They should be grown in a different bed each year and if the seed is treated first with Semesan, this trouble will be reduced. Sometimes ants carry Aphides to the roots and cause the plants to turn yellow and die. More large flowers will be produced if the center bud on the main stalk is pinched out as soon as noticed.

The recent development of Asters in California has placed them in a class with the finest and most satisfactory flowers we can have in our gardens.

17 Lakewood Prize Mixture. Our customers often find that the various types of Asters are so beautiful that it is difficult to choose between them. By mixing the tall growing varieties of every color in all the types we list below such as Beauty, Improved Giants, Branching, Royal, Ostrich Feather, etc., we have a mixture that will enable everyone to have a few plants of all the choicest kinds in a complete assortment of color. We cannot recommend it too highly. Trade pkt.

10 Improved Giants of California. The newest improvement in Asters. Ostrich-feather type; long

White Beauty, Giant White
Peach Blossom
Rose Pink
Finest Mixed. Trade pkt. 25c..... 50 Azure Fairy. Dark lavender...... 52 Purple 51 .10 Purple September Beauty. Flesh pink......

 57
 Azure Blue
 .10

 59
 Light Lavender
 .10

 61
 Purple
 .10

 63
 Finest Mixed. Trade pkt. 25c, ½ oz. 50c.
 .10

 Crimson
 .10

 Rose Pink
 .10

 Shell Pink (Mary Semple)
 .10
 58

Early Royal. This is an early, dwarf, branching aster, growing two feet high, with strong stems 12 to 15 inches long bearing medium sized flowers not compact and still not of the ragged type. Has proven very satisfactory here.

wen very satisfactory nere.
Pure White
Deep Rose
Shell Pink
Dark Lavender
Deep Purple 66 .10 70 .10 .10

PKT

Auricula. See Primula. Baby's Breath. See Gypsophila. Bachelor's Button. See Centaurea.

NO.

BALLOON VINE. (Herzamen.) (Cardiospermum Halicacabum.)
A very pretty climber, interesting for its inflated membraneous capsule, from which it derives the name. Annual; 8 ft......

BALSAM PEAR. (Balsambierne.)

Curious climbers with ornamental foliage. The fruit is bright orange, and, when ripe, bursts open, exposing its bright-red seeds and yellow interior. Very effective on rock-work, stumps, etc. Annual; 10ft.

BAPTISIA. (False Indigo.)
Australis.| Hardy perennial with peashaped, bright blue flowers.....

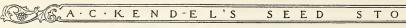
Bulbs

Bellis Perennis. See Double Giant Daisy.

BOCCONIA. (Plume Poppy.)
Hardy perennial with silvery foliage and long loose spikes of flowers. NO. Japonica. Rosy-white flowers......



17



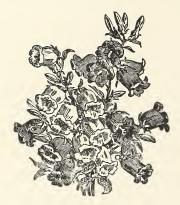
CALCEOLARIA. (Pantoffelblume.)

Plants of a highly decorative character; very desirable for house or conservatory culture; remarkable for their size, color and markings. Sow the seeds in August or September for early flowering, in a light, rich compost. Tender perennial.

Hybrida Grandiflora. Self-colored and spotted varieties mixed; prize flowers. Trade pkt. \$1.00.....

CALENDULA. (Pot Marigold.) (Ringelblume.)
One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost. Valuable also for pot culture; blooming freely in

WIL	iter and early spring, 1 it.	
83	Ball's Orange. Double large-flowered	.10
84	Ball's Dark Golden Yellow. Large flow-	
	ered	.10
85	Prince of Orange. Double yellow, each	
	petal striped orange	.10
86	petal striped orange	
	lemon	.10
87	Superb Mixed. ¼ oz. 15c	.10



CAMPANULA. (Bellflowers.)

Beautiful, well-known flowers, characterized by their richness of color, and profusion of bloom. Of a great variety of form, some being tall and imposing, while others are dwarf and compact. Indispensable for the border, edging, rockwork, etc. The taller growing sorts should be staked to prevent injury from high winds. They like good, rich soil, and last much longer if set in half shade.

CANTERBURY BELL. (Glockenblume.)

Canterbury Bells. The old-fashioned sort with large, beautiful bell-shaped blooms. Single. Biennials; 2½ ft.

90	Rose	10	91	Lilac White 25c	.10
-		~~	-		

Cup and Saucer. Very handsome and much prized. The extra large calyx is of the same color as the flower and appears as a saucer under a cup. Biennials. 2½ ft.

					• • • • • • • • •	.10
-	***************************************	•••••	***	•	50c	.10

Plants ready in May.

97 Carpatica. (Harebell.) A hardy and pretty perennial growing only 9 in. high. Unsurpassed for an edging to a hardy border or rockery. Blooms from June to fall. Mixed blue and white.

Grandiflora. (Chinese Bellflower.) A fine, hardy perennial with buds that expand to look like miniature balloons, opening to a five-pointed starlike flower. Blooms for about eight weeks from the middle of July. One of our best hardy perennials. 2 ft.

98	Blue		.10	99	White		
----	------	--	-----	----	-------	--	--

NO. PKT.
100 Mariesii. A rare dwarf form, 6 inches
high; beautiful dark blue large flowers
and suitable for rock gardens
101 Persicifolia. (Peach Bells.) A handsome
perennial with large, drooping bell- shaped flowers. Mixed blue and white.
3 ft
CANARY-BIRD VINE. (Tropaeolum Canariense.) 102 A beautiful rapid annual climber, the
102 A beautiful rapid annual climber, the
charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. 1/4 oz. 40c .10
with its wings half expanded. 1/4 oz. 40c .10
74 on 100 11180 Harz onparadous 74 on 100 120
CANDYTUFT. (Iberis.) (Schleifenblume.)
The annual Candytufts are universally known and cultivated, and considered indispensable for
and cultivated, and considered indispensable for
cutting. All the varieties look best in beds or masses. Seed sown in autumn produce flowers
masses. Seed sown in autumn produce nowers
masses. Seed sown in autumn produce flowers early in spring; when sown in April, flowers in June; successive sowings should be made at intervals. Hardy and easy to grow. Single plants
tarvels Hardy and easy to grow Single plants
transplanted look well and bloom profusely. 1 ft.
Light, rich soil.
103 Improved Empress Giant white 1/4 oz
25c
104 Little Prince. Dwarf white. 1/4 oz. 25c10
105 Flesh Pink10 1052 Crimson10
106 Rose Cardinal .10 1062 Light Violet10
25e
75c
75c
Canterbury Bell. See Campanula.
Castor Oil Bean. See Ricinus.
CARDINAL CLIMBER.
109 A most beautiful and brilliant annual climber. A strong and rapid grower, at-
climber. A strong and rapid grower, at-
taining a height of 30 ft. in a season.
Blooms from mid-summer until frost. It delights in a warm, sunny situation with
good soil Carmination may be made
good soil. Germination may be made more certain by filing a small notch in
each seed before planting. Start the seed
indoors in March and transplant, or sow
in the open ground when the soil is warm in May. Very popular
warm in May. Very popular
CARNATION PINK. (Nelke.)
CARNATION PINK. (Nelke.) The most magnificent of all the Dianthus fam-
ily. Flowers large, beautiful and delightfully fragrant. Sown in the spring, they bloom the second season. The plants are hardy the first winter; afterward they need protection. Perendicle
fragrant. Sown in the spring, they bloom the
second season. The plants are hardy the first
minter; afterward they need protection. Perennials.
110 Marguerite. Dwarf mixed. If sown
early will flower the first season; eminently satisfactory in the garden both in quantity and color of the flowers
activity satisfactory in the garden both

R

	in quantity and color of the howers.	
	½ oz. 50c	.10
111	Early Dwarf Double Carnation. Mixed	.10
112	Red Grenadin. Double scarlet: 2 ft	.15
113	Fancy Picotee Carnation. Prize stock;	
	from stage-flowers; finest double mix-	
	ture of Picotees, Carnations, Bizarres,	
	Flakes, Fancies and Selfs; 2 ft	.25
114	Chabaud's Everblooming Mixed. Sym-	
	metrical, branching habit. This strain	
	is raised by a famous specialist in	
	France. Blooms 5 months after sowing	
	and continues indefinitely. 2 ft. Extra	
	double mixed	.25

CELOSIA. (Cockscomb.)

Free blooming annuals of graceful habit and worthy of space in every garden. Very popular because of their ease of culture and large showy combs or feathery spikes. Should be sown early and transplanted in June in light, rich soil. Plants may be lifted in the fall and potted for house decoration, where they remain in bloom for a long period.

for	a long period.	
115		
	and beruffled; 3 ft	.10
116		.10
117		.10
118		
	and bright crimson combs; 1 ft	.10
119	Dwarf Mixed. Shades of red, pink, and	
	yellow. Very fine. Large combs; 1 ft	.10
120	Ostrich Plume Mixed. (Thompson's Mag-	
	nifica.) Beautiful plumes of all colors	
	from clear yellow to the darkest red;	
	2 ft	.10
121	Childsi. (Chinese Wool Flower.) Crim-	

NO.



F

Bachelor's Buttons.

CENTAUREA. (Flockenblume.)

These include such popular annuals as Bachelor's Buttons and Sweet Sultans which are favorites everywhere, they being easy to grow, profuse bloomers from mid-summer to late fall, and requiring but little care. Silver-leaved sorts are also included which are used as borders to beds and for porch-boxes. Annuals.

122	Cyanus. (Cornflower.) .Beautiful gen-	
	tian-blue	.10
123	Cyanus Single Mixed. 1/4 oz. 25c	.10
124		.10
125	King of Blue Bottles. Large blue, red	
	center. Dwarf and compact. Very strik-	
	ing. ¼ oz. 50c	.15
126	Montana. (Hardy Cornflower.) Blue	.10
	Dusty Millers.	
127	Candidissima. Silvery white foliage:	
	broad and deeply cut. Half-hardy: 1 ft.	
	½ oz. 75c	.15
128	Gymnocarpa. Finely cut and graceful	
	silvery foliage. ¼ oz. 50c	.15
	See also Sweet Sultans.	
	Chinese or Indian Pink. See Dianthus.	



Painted Daisy

CHRYSANTHEMUM. (Wucherblume Goldblume.)

Showy and effective garden favorites. The annual varieties are in great demand, and extensively grown for cut flowers, making a fine pot plant for winter, and excellent for beds or borders through the summer. Succeed best in loam and rotted manure, equal parts.

Seeds may be sown in hotbeds during March or outdoors during May. Pinching back in early growth makes bushy and shapely plants. Average height 1½ ft.

129	Chinese Large Flowered Double Mixed.	
	Well-known variety for not and green-	
	house culture; half-hardy perennial	.25
130	Japonicum Double Mixed. Magnificent	
	perennials; white and yellow	.25

NO.	•	PKT.
131	Double Mixed Coronarium. Annual	10
	Single Mixed Carinatum. (Painted D.	
	sies.) Annual	10

Plants of hardy garden varieties ready in May and June.

Giant Spider Plant. Pink.....

CLEOME PUNGENS.

Singular showy plants, attractive for a background to other flowers; growing 3 ft. high and usually called:

CLARKIA.

This, the Rocky Mountain Garland Flower, can easily be grown in the garden where its dainty sprays of double flowers in delicate shades of many colors, make a fine display. They also make a splendid cut-flower, most of the buds opening in course of time. Annual.

		course of time. Annual.	
136	Double	Pure White	.10
		Apple Blossom Pink	
138	Double	Brilliant Carmine	.10
139	Double	Coppery Red	.10
		Violet	
141	Double	Finest Mixed. ¼ oz. 60c	.10
		/1	

COBAEA. (Cobaee.) (Cathedral Bells.) Scandens. A magnificent rapid-growing vine, with beautiful foliage, and large white or purple, bell-shaped flowers; seed should be planted edgewise, and covered lightly; best sown indoors in March. 1/4 oz. 50c.....

Plants ready in May.

Cock's Comb. See Celosia.

A great variety of brilliant colors can be had in plants grown from our seed. Extensively used for bedding, they making a fine show in any sunny spot. Best when sown indoors in March or April April

Finest Mixed. A very choice mixture. Trade pkt. \$1.00.

Plants ready in June.

Columbine. See Aquilegia. Convolvulus Major. See Morning Glory.

COREOPSIS. (Calliopsis.) (Gottesaugen.)

Showy and beautiful free-flowering plants of the easiest culture, doing well in any sunny position, blooming all summer and excellent for cutting and massing. It is best to sow them where they are to bloom, thinning out to stand 6 inches to 12 inches apart. By keeping the old flowers cut off the flowering season can be length-apped until late autumn.

	or cut ou the nowering scuson can be reng	
	until late autumn.	
NO.	PI	XT.
144	Fine Mixed Tall. All colors. ¼ oz. 25c.	
	Annual	.10
145	Coronata. (Crown of Gold.) Large gol-	
	den yellow. Very fine for cutting. 1 ft.	
	Annual	.10
146	Drummondi. (Golden Wave.) Rich yel-	
	low with a circle of crimson-brown	
	about the center. 1½ ft. Annual	.10
147	Purpurea. Elegant dark-brown. 1½ ft.	
	Annual	.10
148	Tinctoria. Golden-vellow and brown.	***
140	1½ ft. Annual	.10
149	Lanceolata Grandiflora. This is one of	
140	the finest of hardy plants with large,	
	showy, bright yellow flowers produced	
	in the greatest abundance from June till	
	frost. As a cut flower they stand near	
	the head among hardy plants, having	
	long stems and lasting in good condi-	
	tion a week or more. Easily grown	
	from seed, flowering the first year if	* 0
	sown early. ½ oz. 20c	.10
	D1t1111	

Plants ready end of April.

cosmos.

COSMOS.

Beautiful autumn-blooming plants. They produce thousands of beautiful flowers in pure white, pink and crimson shades, furnishing an abundance of cut flowers for autumn decorations when other flowers are scarce. Should be sown in spring in the open ground, when danger of frost is past, or the seed may be started under cover and afterwards transplanted. Plant not less than 18 inches apart in rows or in masses in beds. When the plants are about a foot high the tops should be pinched out to induce a bushy growth. They prefer a rather light, not too rich soil, but do well almost anywhere.

uo	well almost any where.	
150	Early Flowering Mixed. Will bloom end	
	of July if started early indoors. ¼ oz.	
	30c	.10
151	Early Crested Mixed. Semi-double flow-	
	ers, like Anemones; most beautiful new	
	type. ½ oz. \$1.00	.13
152	Late Mammoth Crimson. Brilliant color	.10
153		.10
154	White Lady Lennox. Mammoth flowered	.10
155	Late Crested Mixed. Anemone flowered.	

Superb Mixed. Our own mixture of all the late sorts. 1/4 oz. 40c; ounce \$1.25. Plants ready in June.

156



CYCLAMEN. (Erdscheibe, Alpenveilchen.)

One of the most popular plants for winter and spring blooming. The foliage is beautifully marked, and the flowers are extremely handsome. Sow the seed in a compost of well-rotted manure, leaf-mold and coarse sand, thoroughly mixed, and they will make flowering bulbs in one year,

if well grown. They require gentle heat and even temperature.

Extra Mixed Persicum. Prize stock; superb strain of very large and rich-colored flowers

Summer Cypress. See Kochia.



DAHLIA. (Dahlie.)

163

Dahlia roots ready in April. DOUBLE GIANT DAISY. (Bellis Perennis.) (Tausendschoen.)

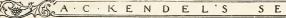
These English daisies are well-known perennials admirably adapted for borders, beds or for pot-culture. They grow best in a shady and rather cool situation, in loamy soil richly manured.

.15

Plants, one dozen in a basket, ready in May. SHASTA DAISY.

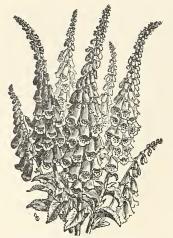
A STA DAISY. (Chrysanthemum Maximu A splendid hardy perennial of Mr. Burbank's introduction with flowers of the largest size. In form like the common field daisy yet vastly superior. Pure white, long strong stems and very free blooming. Excellent as a cut-flower. Trade pkt. 50c. Trade pkt. 50c.....

Clumps ready in April.



NO. (African Golden Daisy.)	A beautiful quick-growing climber, with pur-
170 Aurantiaca Hybrida. Beautiful new hy-	ple and white flowers blooming in clusters re-
brids, varying in color from the pur- est white through the various shades of	sembling the blossoms of hyacinths. Will thrive in a hot situation; annual; 15 ft.
yellow and orange to rich salmon shades,	NO. PKT.
many being zoned with several of these colors around the black disc	187 Soudan. Purple. ¼ oz. 15c, oz. 40c10 188 Japanese. White. ¼ oz. 15c, oz. 40c10
· ·	Dusty Miller. See Centaurea.
DELPHINIUM. (Larkspur.)	ERYSIMUM. (Fairy Wallflower.)
In variety and beauty of its blue tints, which	An annual bearing heads of flowers somewhat
are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant	like Candytuft continuously until frost. 189 Perofskianum. Orange yellow
flowers are strongly effective in heds or masses	
in borders, shrubberies, or in combination with white lilies. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems.	ESCHSCHOLTZIA. (California Poppy.) Attractive annuals with light green feathery
early and late; the season for all can be pro-	ioliage, growing a foot high and bearing poppy-
All varieties are easily cultivated and adaptable	shaped, flowers until frost. 190 Aurantiaca. Rich orange yellow. ¼ oz.
to many conditions, but in a soil deeply dug and	25c
All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug and well enriched with fine old manure, their blooms are the finest. Setting them 1½ to 2 feet each way is not too much for the taller sorts.	25c
way is not too much for the taller sorts.	center
Perennial Varieties.	erect type in a great color range such as
For annual sorts, see Larkspur.	
171 Belladonna. (Everblooming Hardy Lark-	EUPHORBIA. (Snow on the Mountain.) (Wolfsmilch.)
spur.) This is the freest and most con-	A showy border plant, foliage veined and marg-
tinuous blooming Hardy Larkspur. The	A showy border plant, foliage veined and marg- ined with white. Grows well in common garden
clear turquoise-blue of its flowers is not equalled for delicacy and beauty. A	loam. 193 Variegata. Very ornamental. Annual;
equalled for delicacy and beauty. A really exquisite Larkspur. 1 ft	1½ ft. ¼ oz. 30c
172 Bellamosa. Like the preceding but dark blue	
blue	
and neat variety, growing about 18	
and producing freely spikes of large	
blossoms. Mixed blue and white. 1/4 oz.	
25c	
various shades with black centres; grows	
3 to 5 ft. high	
flowers, with a white centre; 3 ft. ½ oz.	
25c	
	at one
sturdy stalks; new	
vigorous plants with fine long spikes	N The state of the
and flowers in many shades of blue.	
Trade pkt. 60c	
ering in the richest shades of blue20	
Plants ready in May.	
DIANTHUS. (Chinese Pink.) (Nelke.)	
highly valued for the heauty of their flowers	
which present a rich variety of colors. The dif-	
ferent varieties are hardy, and usually live over	
especially if sown in August when they start	METTAIR SC
DIANTHUS. (Chinese Pink.) (Nelke.) The following all bloom the first year, and are highly valued for the beauty of their flowers, which present a rich variety of colors. The different varieties are hardy, and usually live over winter, blooming more profusely the second year especially if sown in August when they start blooming the following May. 1 ft.	FORGET-ME-NOT. (Myosotis.)
119 Alwoodii. A new strain of pinks in	(Vergiss-mein-nicht.) Few spring flowers are more admired than the
mixed colors, mostly double; hardy25 180 Double Brilliant Red. An elegant shade	lovely Forget-Me-Nots, which are especially effective when grown in masses. Are hardy it
for adding a splash of color to the gar-	given slight protection through the winter. Seed
den. Very fine	may be sown any time from spring till mid-sum- mer. Dissitiflora comes into bloom in April, and
did mixture suitable for beds and borders. Very brightest colors. Trade pkt.	mer. Dissitifiora comes into bloom in April, and
ders. Very brightest colors. Trade pkt.	is largely used for bedding or borders in con- nection with spring-flowering bulbs, Pansies, etc The Palustris sorts do not bloom till May, but continue till fall. Succeed best in moist situa-
182 Double Japan Fringed. Large flowers	The Palustris sorts do not bloom till May, but
182 Double Japan Fringed. Large flowers varying from the richest crimson to the most delicate shade of pink	
most delicate shade of pink	194 Palustris. Large-flowering. (True For-
183 Plumarius Double. (Double Hardy Garden Pinks.) The finest shades for summer-blooming borders. Does well in sun	194 Palustris. Large-flowering. (True Forget-me-not.) Beautiful blue; Perennial, but blooms first year. ½ ft. ½ oz. 50c10 195 Palustris Semperflorens. A dwarf form
or shade	195 Palustris Semperflorens. A dwarf form
Plants in May.	blooming all summer
DICTAMNUS. (Gas Plant or Burning Bush.)	blooming all summer
All interesting perennial bush growing two	197 Ruth Fisher. Dark, glossy foliage;
feet high and bearing numerous flowers early in the season that emit a pleasing fragrance.	largest blue flowers; dwarf
184 Fraxinella. Deep pink	FOUR O'CLOCK. (Mirabilis.) (Wunderblume.)





FOXGLOVE. (Dig (Fingerhut.) (Digitalis.)

Tall stately spikes with large, tube-like flowers prettily spotted. Handsome and ornamental plants for the border, preferring a rich loam and partial shade. Biennials. 3 ft.

	(Gloxinioides.)	
NO.		PKT.
199	Pure White	
200	Rose Pink	
	Purple	
202	Mixed	.10
	Plants ready first of May.	



G	OX	in	ia

NO. 210 Choice Hybrid Mixed. Saved from a
splendid collection of French varieties
very nne
Also Bulbs in April and May. Gilliflower. See Stocks.
GODETIA. (Godetie.)
An attractive handy appreal deconving mans or
tensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil 1 feet.
poor soil. 1 foot.
211 Tall Finest Mixed. All colors
GOMPHRENA. (Globe Amaranth.) (Kugelamaranth.)
Well-known everlactings with shown flowers
resembling clover heads; extensively used in winter decorations. Start the seed in heat, and transplant, as they are slow to germinate outside.
transplant, as they are slow to germinate outside. Annuals.
212 Globosa Mixed. 2 ft
GOURDS. (Kuerbris.)
Where an immense amount of vine is wanted quickly gourds are very useful. Most will grow 20 to 30 feet in a season. The fruit is curiously-shaped and ornamental. Especially adapted for
20 to 30 feet in a season. The fruit is curiously-shaped and ornamental. Especially adapted for
pergulas, tremses, and lences.
213 Hercules Club. Club-shaped
light
216 Bottle-Shaped. Very desirable
218 Large Varieties, Mixed. oz. 30c10
Arrican Pipe. (Catabasa.) Sinoter's de- light
orange 221 Pear-Shaped Bi-Color. Half green, half
yenow
222 Small Varieties, Mixed. oz. 30c
GYPSOPHILA. (Gypskraut.) (Baby's Breath.) Graceful, free-flowing plants. Flowers small, but produced in great quantities in loose panicles; elegant for bouquets. Succeed well in common garden soil.
but produced in great quantities in loose panicles:
elegant for bouquets. Succeed well in common
220 King of the markets Finest strain of pure
white. ½ oz. 15c, oz. 25c
225 Muralis. Dwarf pink, annual, 6 in
226 Paniculata. A fine hardy white perennial especially for bouquets; 2 ft
Plants of the latter ready first of May.
Helianthus. See Sunflower.
(Strobbluma)
The most popular of all the Straw Flowers. Easily grown annual in any garden with rich soil. Flowers should be cut when half open and hung upside down to dry. 2 to 3 ft. 228 Silver Ball. Pure white
soil. Flowers should be cut when half open and hung unside down to dry. 2 to 3 ft.
228 Silver Ball. Pure white
230 Golden Ball. Pure yellow
229 Salmon Queen. Rare shade 10 230 Golden Ball. Pure yellow 10 231 Rose Queen. Rosy crimson 10 232 Violet Queen. Deep violet 10 233 Fizaball. Scaptlat 10
235 Finest Double Mixed. Several other
234 Crimson
HELIOTROPE. (Sonnenwende.) Well known deliciously fragrant plants; excel-
hardy perennial. 236 Lemoine's Giant Finest Mixed. Best strain
Plants ready end of May.
TENTICITY A (Almos Dock) (II
many slender stems of bright, dark-crimson flow-
Desirable bushy, hardy perennials, bearing many slender stems of bright, dark-crimson flowers during July and August. Grow in any good garden soil.
237 Sanguinea Splendens. Dark-crimson; 1 ft
Hibiscus. See Mallow.

GLOXINIA. Exquisite plants for the house and conservatory. Handsome bell-shaped flowers of the richest





HOLLYHOCK. (Stock-rose.) This is one of our handsome ornamental biennials, bearing spikes of flowers, about 5 ft. high, of almost every color. A clump in any garden gives an effect not obtainable with any other plant. Without an equal for planting among shrubbery or as a background. Seed sown in June or earlier will flower the following season. They require dry, deep soil, enriched with plenty of manure.

of manure. Don't Double West-ties

	Best Double varieties	
238	Cherry-red10 239 Maroon	.10
240	Flesh-pink10 241 Rose-pink	.10
242	Sulphur- 243 Pure White	.10
	yellow10	
244	SUPERB MIXED. Our own mixture of	
	the choicest kinds, all colors. A beau-	
	tiful assortment. 1/8 oz. 25c	.10
245	Allegheny. Semi-double, fringed; mixed	
	colors; quite unlike the preceding and	
	very showy	.10

Plants early in May. Hyacinth Bean. See Dolichos.

HUNNEMANNIA.

(Giant Yellow Tulip Poppy.)

An annual with large, golden yellow, poppylike flowers from mid-summer until frost. The plants are bushy, two feet high with feathery leaves light green in color. Excellent cut-flower.

247 Fumariaefolia10

ICE-PLANT. (Eispflanze.)
A pretty little trailing plant; the leaves and stalks being covered with small, watery globules, giving it the appearance of being covered with ice. A valuable plant for dry, sunny locations on banks, rockwork, borders and hanging-baskets. Annual Ipomoea. See Morning Glory.

JAPANESE HOP VINE. (Humulus Japonicus.)

(Humulus Japonicus.)
(Hopfen.)
A very rapid growing vine, with fine foliage, which is very dense and quite free from insect enemies, and which endures the heat remarkably Grows 25 ft. high and self sows if the ground is not disturbed. Annual.

Green Leaved. Large, dark foliage; 1/8 249 Variegated. Like the preceding except with variegated foliage. Makes a handsome vine; \(\frac{1}{3} \) oz. 20c. .10

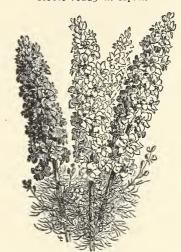
Joseph's Coat. See Amaranthus. Kenilworth Ivy. See Linaria.

KOCHIA. (Summer Cypress.) (Burning Bush.)
An annual ornamental plant that closely resembles a small cypress tree. It grows as much as 3 ft. high and in the fall changes from green to a flaming red. It makes an exceedingly attractive plant for a temporary hedge or a border for bed of tall growing plants. The plant will bear

trimming like hedge plants and is easily grown from seed and readily transplanted. Trichophylla. True Summer Cypress; 251

KUDZU VINE. (Jack-and-the-Beanstalk.) A rapid growing vine of great merit. Leaves light green and heart-shaped. Attains a growth of 25 ft, the first sea-son if started in a hothouse early. Per-

Roots ready in April.



LARKSPUR. (Delphinium.) (Rittersporn.) Annual Sorts.

For perennial varieties, see Delphinium.

This is one of our best garden flowers. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost. They make handsome beds and their free, graceful habit and bright colors are very effective when interspersed in the old-fashioned flower or shrubbery border. Good, rich soil dug deep and a sunny location suit them best.

Double Branching or Stock-Flowered. The fin-

CDC	COUDIC MONCIB	and corors.	= /2 IUs	
253	Pink	.10 254	Lilae	.10
255	Carmine	.10 256	Light Blue	.10
			Dark Blue	
259	Superb Mixed	 All colors 	s. ¼ oz. 40c	.10

LATHYRUS. (Perennial Sweet Peas.)

Excellent creeping vine for covering rocks, fences, etc., or tied to 3-foot stakes. Make fine cut-flowers.

261 Pink Beauty. .15 263 Fine Mixed . .15 White Pearl.. .15 Crimson15

LAVATERA. (Annual Mallow.)
264 Trimestris Mixed. A very beautiful and Trimestris Mixed. A very beautiful and showy annual, growing about 2 ft. high and covered during the entire summer with large cup-shaped shrimp-pink flowers; in a border or bed the effect is very bright. Sow in May where they are to bloom and thin out to 12 in. apart..... Lavender. See Herbs.

LIATRIS. (Blazing Star or Gay Feather.)

Strikingly conspicuous hardy perennial growing 5 ft. tall and bearing a long spike of rosypurple flowers in mid-summer.

LINARIA. (Kenllworth Ivy.) (Cymbelkraut.)
This is perhaps better known under the name of Coliseum or Kenllworth Ivy. It is a very handsome trailing plant, suitable for hanging-baskets and window boxes. 266 Cymbalaria. Lavender and purple..... .10



LOBELIA. (Lobelie.)
Exceedingly pretty, profusely-blooming plants, of easy culture; valuable for beds, borders, baskets, etc. Tender perennials, flowering first season from seed.
NO.

Erinus Gracilis. Light blue; trailing; fine for baskets. Light green foliage. ½ oz. 40c.
Crystal Palace Compacta. Erect; dark blue; for bedding. Dark green foliage. 6 in. ½ oz. 50c.

Love in a Mist. See Nigella. Lovegrove. See Nemophila.

Easily grown plants producing long spikes of different colored pea-shaped flowers. Valuable for beds and cut-flowers.

Annual Sorts.

Rose 10 270 Sky Blue 10
White . . . 10 272 Mixed 10 275

LYCHNIS. (Rose Campion, Lamp Flower.)
Perennial of easy culture growing two feet high
ith heads of conspicuous scarlet or orange col-

Marguerite. See Carnation. Matricaria. See Feverfew.

Martynia. See under Herbs.

MALLOW MARVELS.

There is no more striking sight than a plant of this grand perennial in full flower in August and September. The individual flowers are of enormous size, many measuring 9 in, or more across. In texture they resemble the finest satin. Their coloring is gorgeous, embracing all the beautiful variations from white to deep red. Our seed has been grown from plants selected for size and brilliancy of bloom. Everyone should have a few plants of these. They adapt themselves readily to all locations and conditions of soil. Very popular.

Roots ready in May.

MARIGOLD. (Tagetes.) (Sammetblume.) In the autumn these old garden favorites are in their prime with a wealth of bright colors. Easy of culture and suited to bedding in light soil in full exposure to the sun. The rich yellows in combination with the blue Larkspurs and Corngovers are year, styling. flowers are very striking.

Double African Sorts. These are uniformly large and self-colored in yellow or orange.
281 Tall Orange
282 Tall Lemon



R F

French Marigold

French Sorts.

These are smaller in size of flower but none the less handsome and striking. Includes both striped and single kinds. Fine for edgings.

NO. Golden Heart. Very large flowering. Golden yellow, brown margin............ French Tall Double Mixed. ½ oz. 15c... Single Legion of Honor. Dwarf, golden yellow with a crimson spot on each netal

MIGNONETTE. (Reseda.)

A well-known favorite for pot or garden culture, with very fragrant spikes of flowers. If well thinned out they produce stronger plants and larger spikes of flowers. Grown in light, sandy soil, its fragrance is much stronger than when grown in a rich soil. Cannot be transplanted. Annual.

.10

MIMOSA. (Sensitive Plant.) (Sinnpflanze.)

A very interesting and curious plant, its leaves closing if touched or shaken. Good garden loam. Annual.

MIMULUS.

2922 Moschatus. (Musk Plant.) A small trailing plant with yellow flowers and fragrant foliage; used in hanging baskets or pots and to cover the soil in pots containing large plants.....

Mirabilis. See Four O'Clocks. Momordica. See Balsam Pear.

MONARDA. (Bergamot.)

A perennial aromatic herb, growing two feet high and bearing tufted heads of red or deep rose colored flowers. An old-fashioned favorite.

293 Didyma. (Cambridge Scarlet.) Lustrous dark scarlet

Monk's-hood. See Aconitum.



.15

MORNING GLORY. (Trichterwinde.) (Convolvulus Ipomoea.)

Extensive genus of twining plants; remarkable for their fine foliage and showy flowers. Well for their fine foliage and showy flowers. Well adapted for open air or greenhouse culture. Annuals.

Finest Mixed. Imported from France; includes every color. Oz. 35c, ¼ lb. \$1.00 Imperial Japanese. Giant flowers in many shades and color combinations and will not scatter seed. Soak the seed 24 hours before sowing or some may take all summer to sprout. Oz. 40c, ¼ lb. \$1.25 294 \$1.25

Heavenly Blue. A giant flower of the Japanese type grown separately on account of its great beauty. 296

MOON FLOWER.

At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 in. in diameter. It grows very rapidly and will cover a large surface. The most rapid grower of any annual in a sunny location. cation.

White. (Ipomaea Grandiflora.) ¼ oz.

Plants ready end of May. Mourning Bride. See Scabiosa. Musk Plant. See Mimulus. Myosotis. See Forget-Me-Not.

NASTURTIUMS.

For picking for the house, few flowers can compare with these easily grown annuals. Time was when no garden was without a few, either tall or dwarf, but the appearance of black aphis makes it necessary to have a sprayer and some Nicotine handy. The soll seems to get "sick" when they are grown too often in the same spot

and the results are disappointing. The more nasturtiums are picked the more flowers will come, altho if a few seeds are wanted to pickle and allowed to ripen, no particular harm would be done. The tall kinds are suitable for training up on posts or fences, the dwarf for a border. NO.

Superb Hybrid Tall Mixed. A blending of all the various shades. Oz. 25c, 1/4 lb. 75c

NEMOPHILA. (Lovegrove.) (Triften oder Hainblume.)

Neat and compact, with varied and beautiful colors, blooming all summer. Suitable for beds, borders and pot culture. Grow best in a moist, partially-shaded situation and not very rich soil. Annual.

300 Finest Mixed. ¾ ft.....

NICOTIANA. (Tabak.) (Sweet Scented Tobacco.)

OENOTHERA. (Evening Primrose.) (Nachtkerze.) Beautiful, free-flowering plants, very useful for beds and borders, flowering in long spikes. Com-mon garden loam. Blennial. 303 Biennis. Beautiful clear canary-yellow. .10



PANSY

(Heartsease, Viola Tricolor.) (Stiefmuetterchen.)

We endeavor to get absolutely the best strains of Pansies grown in France, England and Germany. A perusal of the list will show the choicest varieties, regardless of cost and if proper care is exercised in sowing, the germination will be found to be high. Seed sown in hotbeds or cold frames in February or March will flower better during the fall and winter, while that sown in August or September and wintered over will give better results in spring and summer. On account of the delicate nature of the fancy varieties, extreme care should be used to start the seeds, light, rich soil, made fine with a rake or sieve being important and a covering of newspaper or cheese-cloth until the seeds, which should be only slightly covered with soil, are up, is absolutely necessary to insure a good stand.

If more plants come up than are needed, when they have their fourth or fifth leaf transplant them 3 in. apart each way, taking them as they come, rather than picking out the strongest, as the delicate plants are apt to produce the finest flowers. Protection from the midday sun is necessary to have large



flowers, and keeping them picked will extend the flowering period. A mulching of Sheep Manure twice a month and a dusting of Tobacco Dust as often, will make them grow and keep the insects away. The Giant flowering only are listed.

NO.	· P	KT.	NO.	
304	Trimardeau Mixed. ¼ oz. 75c, oz. \$2.50	.20	319	FANCY
305	Bugnot. Mixed; stained	.20		own sele
306	Parisian. Mixed; stained	.20		the rare
307	Masterpiece. Mixed, blotched and curled	.20		intended
308	Cassier's Blotched. Mixed	.20		ordinary
309	Madame Perret. Wine shades	.20		the new,
310	Pure White	.20	320	\$1.75, oz. English
311	Imperial Blue. Blue	.20	320	est and
312	Lord Beaconsfield Improved. Purple and			oz. \$1.25.
	white	.20	321	Tufted I
313	Indigo Blue	.20		recently,
314	Cardinal. Rich red	.20		ated in
315	Azure Blue	.20		England
316	English Faced. Mixed	.20		borders,
317	Black. True	.20	200	flowers a
318			322	Orchid 1
919	SUPERB MIXED. Our own mixture of			includes
	all the above large-flowering sorts in-			oring in
	cluding the very choicest Pansies grown.			pink, lila
	It is unsurpassed. \(\frac{1}{2} \) oz. \(\frac{1}{2} \) 02.			size, yet
	\$1.75, oz. \$6.00	.20	1	charming

NO.	FI	CY T *
319	FANCY SELECT. This mixture is our	
	own selection from the above list of all	
	the rarest, high-priced varieties and is	
	intended for the specialist. None of the	
	ordinary colors are included but only	
	the new, rare, unusual shades, 1/2 oz.	
	\$1.75, oz. \$6.00	.20
990	English Giants. A collection of the larg-	.20
040		
	est and choicest grown in England. 1/8	0.5
001		.25
321	Tufted Pansies. (Viola Cornuta.) Until	
	recently, these have been little appreci-	
	ated in this country. In France and	
	England they are used extensively for	
	borders, where their masses of bright	
	flowers are charming	.20
322	Orchid Flowering. This distinct strain	
	includes all the unusual shades of col-	
	oring in Pansies; chamois, terra-cotta,	
	pink, lilac, rose and orange. Medium in	
	size, yet dainty and admired for their	
	charming markings	.20

Plants raised from our own stock seed, one dozen in a basket. Ready in May.

PASSION FLOWER.

Few effects are more charming than these blue Passion flowers covering a greenhouse wall with their rich green foliage and sky-blue blossoms. NO. PKT.

323 Caerulia Grandiflora, Blue..... PENTSTEMON. (Fuenffaden, Bartfaden.)

SINGLE PETUNIA. (Petunie.)

For outdoor decoration or house culture few plants equal the Petunia in effectiveness. They commence flowering early and continue a sheet of bloom throughout the whole season until killed by frost; easily cultivated, only requiring a good soil and sunny position.

Giant Ruffled. Coppery red. An attractive new shade..... Mixed Giant Ruffled. Flowers of unusual size and substance, ruffled and fringed in most beautiful colors; half dwarf. Trade pkt. \$1.00......

California Giants. Magnificent strain of immense flowers in many shades, all with veined throats..... .50

Rosy Morn. A soft carmine pink with white throat; grows bushy, 8 inches high and makes an effective border..... Elk's Pride. Best strain of blackish purple with plain edge. .10 .25 Extra Choice Mixed Hybrid. Excells for mass planting, in brilliancy and continuous flowering. ½ oz. 25c, oz. \$1.75.... 331

Single Fringed Type

These are intended for hanging baskets and indow boxes to hang over the sides. Large window boxes to hang over the flowers in clear, rich, solid colors.

332	Pride of Portland. Deep rose	20
333	Scarlet Beauty	20
334	White Beauty	20
3343	Pink Beauty	20



DOUBLE PETUNIA.

It is, perhaps, not generally understood by the buying public that seed of the double sorts are only obtained by artificially fecundating single blooms with the pollen from the double. This makes the seed necessarily high priced. In spite of all possible care only a small percentage will produce double flowers, but the singles are of an unusually fine quality. The finest doubles are always grown from seed; when propagated from cuttings they degenerate.

The weaker seedlings should be carefully saved, as these invariably produce the finest double blooms. The same is true of the single sorts, the large strong seedlings usually being weedy, while the, at first, least promising ones produce the very finest flowers of the best colorings.

It is always best to sow Petunias indoors and transplant to the open in May.

Plants ready in May.





PHLOX DRUMMONDII GRANDIFLORA.

PHLOX DRUMMONDH GRANDIFLORA.

(Flammenblume.)

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. May be grown in beds or borders, boxes or vases and make splendid cutting material as

ше	blooms last long in water. 1 It.	
NO.		KT
336	Pure White., .10 337 Bright Scarlet	.1
338	Bright Pink10 339 Dark Purple	.1
340	Bright Rose, White Center	.10
341	Flesh Color, Purple Center	.10
342	Isabellina. Yellowish	.10
343	Star Phlox Mixed. A novel star-shaped	
	flower of the prettiest colors	.10
344	SUPERB MIXED. Our own splendid	
	mixture of above separate colors and	
	kinds, insuring some of every color in	
	each packet. ¼ oz. 75c, oz. \$2.50	.10

A very fine collection of choicest varieties of plants ready in April.

Platycodon. See Campanula. Polyanthus. See Primula.

Roots ready in April.

POPPY. (Papaver.) (Mohn.)

Annual Poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly, preferably in cloudy weather or after a shower, barely cover the seed, press down firmly, and they will come up in a few days. If they come up too thickly they must be thinned out to stand 3 or 4 in. or more apart if you wish best results. It is well to make several sowings at in-



Carnation Popples

tervals to keep up a succession of bloom. If picked just before expanding the flowers will last several days. It is also advisable to pick the old flowers as soon as fallen, which will lengthen the blooming season quite a while.

NO.	P.	KT
348	Carnation Double Scarlet. Splendid double	
	fringed flowers of the brightest scarlet. 4 oz. 15c.	.10
349	Large Flowered Carnation Mixed. Beau-	.11
	tiful colors of largest size double and	
	full. ¼ oz. 10c, oz. 30c	.10
350	Paeony-Flowered. Showy flowers of a	
	globular form, resembling full-blown	
	Paeonies. Handsome colors	.10
351	Shirley, Extra Mixed. Annual; a most	
	beautiful semi-double variety; does well	
	in any garden and embraces a great	
	variety of colors, ranging from pure	
	white, through many delicate shades of	
	pink, to bright red. If cut before the	
	sun strikes them they will keep a day in	
	water. ½ oz. 15c, ¼ oz. 25c, oz. 75c	.10

HARDY PERENNIAL POPPIES.

Oriental Poppies should be sown in early spring in the open ground as soon as it is fit to work. The plants disappear during July or August, appearing again as soon as the weather gets cool. It is well to mark the places they are planted with a stake to insure the roots against disturbance during their annual resting period.

352	Bracteatum. A very large orange-scar-	
	let flower, averaging 5 in, in diameter;	
	perennial; 3 ft	.10
353	Orientale, Victoria. Bright salmon with	
	black blotch on each petal	.15
354	Orientale, Hybrid Mixed. Many brilliant	
	colors and odd shades; flowers of large	

Iceland. Hardy, flowering the first year from seed, blooming almost as quickly as the annual sorts. They are of graceful, neat habit, with bright green, fernlike foliage, 12 in. high, bearing their brilliant white, yellow and orange flowers in endless profusion; most useful for cutting. cutting .

> Plants ready in May. California Poppy. See Eschscholtzia.

PORTULACA. (Portulak.) (Irish Moss.)

Too much cannot be said in praise of this popular and handsome annual which produces a perfect carpet in a remarkably short time. Succeeds best in an exposed, sunny location and flourishes in dry and very shallow soil. It is of a creeping nature with moss-like foliage, which from early summer until frost is hidden by the brilliant rose-like flowers that open wide in the morning and close in the evening. Because of its foliage it is frequently known as Irish Moss or Moss Rose. It is well to mix the seed with three or four times its bulk of dry sand or soil which permits an even and easy distribution of the seed. It may safely be sown the latter part of April.

NO.

NO. SUPERB MIXED. Our own mixture of the finest separate colors and unsurpassed for brilliancy and size. ½ oz. 20c, oz. \$1.0010
 White
 .10
 358
 Coppery Rose

 Yellow
 .10
 360
 Bright Scarlet

 Pink
 .10
 362
 Rose Striped

 Double Mixed
 Saved from the best va 358 Coppery Rose 360 Bright Scarlet 362 Rose Striped. 357 361 rieties and colors and producing a large percentage of double flowers. ¼ oz. .15 Pot Marigold. See Calendula.

PRIMULA. (Primrose.) (Primel.)

PRIMULA. (Primrose.) (Primel.)
Greenhouse Kinds.
The charming and beautiful Chinese and Obconica Primroses are indispensable for winter and spring decorations in the home or conservatory. They are of the easiest culture in the greenhouse or light window of the living-room, flowering abundantly and continuously with little care. Press the seed in lightly to barely cover. To develop the best flowers and most brilliant colors grow in a heavy soil and as near 60 degrees as possible. possible.

364 Chinese Fringed Mixed. The finest, large-Chinese Fringed Mixed. The Liness, and Strong Sorts of all colors......

Obconica Grandiflora, Apple Blossom Pink. A beautiful soft pink of very 365 Pink. A beautiful soft pink of very large size

Obconica Grandiflora Mixed. A choice strain of the freest-flowering type..... .25 .25

PRIMULA. (Primrose.) Hardy Kinds.

Plants ready in April.

PYRETHRUM.

From a massive tuft of lace-like foliage numbers of straight, leafless stalks grow 18 in. high crowned with daisy-like flowers. Favorite perennials which bloom the first season from seed if started very early. Remove the flower-stalks after blooming for a second crop in the fall.

369 Roseum. Daisy-like in white, pink, rose and crimson shades, and yellow centers, One of the most graceful cutflowers.....

Plants ready in May. Reseda. See Mignonette.

RICINUS. (Castor Oil Bean.) (Wunderbaum.)

Tall growing and highly ornamental plants, with beautiful foliage and brilliant-colored fruit. If planted singly on lawns they produce a fine effect. Annual.

.10 .10 .10 4 ft.
Zanzibariensis. Immense leaves of the most handsome colors which present a beautiful pyramid of foliage thickly set from the bottom up; 10 to 12 ft..... .10



Ricinus or Castor Oil Bean

RUDBECKIA. (Cone Flower.)

NO. PKT. Newmani. One of the finest of autumn-flowering perennials, bearing large flowers of bright orange-yellow petals, sur-376 rounding a large black cone; a showy



SALPIGLOSSIS. (Trompetenzunge.) (Painted Tongue.)

These showy half-hardy annuals bear beautiful funnel-shaped flowers having dark veins on a ground which varies from white to crimson, orange, yellow, etc., almost orchid-like in appearance. Closely allied to the Petunias, but grow erect, producing an abundance of bloom from late summer until frost. The seed is very fine and should be sown carefully and sparingly as the plants are not readily transplanted. They thrive in a light, rich, sandy loam and will respond to liberal treatment. 2 ft.

377	Searlet on gold background	.10
378	Violet. Self color	.10
379	Purple on gold background	.10
380	Dark Red. Self color	.10
381	Light Blue on gold background	.10
382	White and Yellow	.10
383	Emperor Finest Mixed. All the above	
	and as many more other shades. 1/8 oz.	10
	30c. ¼ oz. 50c	.10



SALVIA. (Salbei.)

Scarlet Sage.

By far the most brilliant bedding plant we can nave. The seeds should be started in the hot-bed or house in February or March and the plants set out middle of May, 15 or 18 inches apart in soil as rich as it can be made. After that they require very little care. If the spikes are cut off as soon as they have bloomed the plants will continue to blossom until frost.

NO.	Pl	KT.
384	Improved America. Our finest strain of	
	tall. Very early and continuous bloomer.	
	½ oz. \$1.50	.25
385	Fireball. Bushy, compact growth; 2 ft.	
	½ oz. 75c	.15
386	Splendens. Spikes shorter than "Ameri-	
	ca" and does not grow as tall; 30 in.	
	½ oz. 75c	.10
387	Zurich. Fine, dwarf, large flowering	
	sort, growing 15 to 18 inches high. 1/4	
	oz. \$1.50	.20

Potted Plants ready in May.

SAPONARIA. (Soapwort.) (Bouncing Bet.)

Vaccaria. A pretty annual with masses of satiny pink flowers. Must be sown three or four times if flowers are wanted Vaccaria. throughout the season.....

SCABIOSA. (Mour... (Scabiose.) (Mourning Bride.)

The erect 2½ ft. stems terminate in handsome flat, very double flowers with tubular petals from which yellow stamens protrude to resemble pins. The blooms are so abundant from July until frost and last so well when cut that this is one of the most popular garden flowers. Sow any time when danger of frost is over in good loam.

	Annual Varieties.	
389	King of the Blacks. Fine deep purple	.10
390	White10 391 Azure Fairy	.10
392	Fiery Scarlet10 393 Yellow	.10
394	Yellow10 395 Choice Mixed.	.10
396	Shasta. New strain of giant flowering	
	white, 3 inches in diameter. \(\frac{1}{8} \) oz. 75c	.15
397	Peach Blossom. Giant flowering pink.	
	2 inches in diameter, on fine long stems.	
	½ oz. 75c	.15
	Perennial Variety.	
398		
990	Caucasica. (Blue Bonnet.) Lilac-blue;	
	good cut-flower; 3 ft	.15

Plants ready in April.

SCHIZANTHUS. (Spaltblume.)
(Poor Man's Orchid.)
This is one of the airiest and daintiest flowers imaginable, especially adapted to bordering beds of taller flowers and those of a heavier growth. The seeds germinate quickly and come into bloom in a few weeks from sowing. The florescence is such as to completely obscure the foliage, making the plants a veritable pyramid of the most delicate and charming bloom. The Schizanthus make admirable pot plants for the house in late winter and early spring. For this purpose sow in autumn. autumn.

STOCKS. (Gilliflower.)
(Levkoyen.)
The charming colors, delightful fragrance, and free blooming character of the stocks have made them favorite plants for both summer and winter cultivation. They are very effective for beds and borders, and their handsome flower spikes are invaluable for bouquets and floral decorations. The large-flowering Ten-week section is the earliest to bloom. For succession sow the Cut-and-Come-Again varieties, which bloom abundantly until frost. 1 ft.



RE

Double Large Flowering Ten-Weeks.

	Dwari	German.	
NO.		PI	XT.
401	Blood Red10	402 Light Blue	.10
403	Carmine Pink .10	404 Dark Blue	.10
405	Deep Rose10	406 Canary Yellow	.10
407	Pure White10		
408	Finest Mixed. 1/8	oz. 75c, ¼ oz. \$1.25	.10
	Early Gia	ent Imperial.	
		abit; 2 to 2½ ft.	
409		410 Canary Yellow	.15
411	Flesh Pink15	412 Lavender	.15
413	Rose Pink15	414 Pure White	.15
415	Finest Mixed. 1/8	oz. \$1.00, ¼ oz. \$1.75	.15
	Dresden	Perpetual.	
	(Cut-and-	Come-Again.)	
416	Brilliant Red15	417 Creole Yellow.	.15
418	Deep Rose15	419 May Queen,	
	-	Blue	.15
420	Princess Alice. P	ure white	.15
421	Finest Mixed. 1/8	oz. \$1.00, ¼ oz. \$1.75	.15
	Summer Cypr	ess. See Kochia.	



Miniature Sunflower

.10

4 02. 15c... Double dark yellow. 5 ft. 4/ 02. 15c... Double Dwarf. Large, handsome golden-yellow flowers. 4 ft. 4/ 02. 15c, 02. 30c... (H. Cuaumerifalius.) Iden-.10

30c
Miniature. (H. Cucumerifolius.) Identical in appearance with our common yellow Field Daisy. The dainty golden-

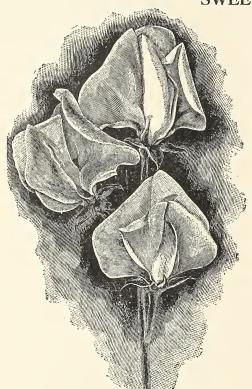
NO.

NO.		KΤ.
	yellow flowers are borne in profusion	
	on long stems, which with the foliage	
	make ideal subjects for vases and jar-	
	diniers in the house. Will grow in any	
	soil: 2 to 3 ft. ¼ oz. 25c	.10
426	Perkeo. A dwarf form of the preceding,	
	growing 12 inches high	.10

427	Purpureus. The new Red Sunflower. Does not come true but can be told by the red stem; green stemmed plants will	10
42 8	have yellow flowers	.10

PKT

SWEET PEAS



Sweet Peas

Price for all except those marked thus * are 10c per packet, 40c per ounce, 1/4 lb. for \$1.25. Those marked thus * are 15c per packet, \$1.00 per ounce.

Ciant Florgoring Late Spancers

NO.		PKT.
429	America. Red Flake, white ground.	
430	Asta Ohn. Pinkish lavender.	
431	Blanche Ferry. Pink and white.	
432	Campfire. Bright scarlet.	

433	*Carmelita.	Rose	pink	on '	wnite	grouna
434	Crimson K	ing. I	Rich d	leep	crims	on.

435	Constance	Hinton.	Giant	pure	white.
436	Daffodil.	Deep cri	mson.		

450	Danoun.	Deep crimson.
437	Defiance.	Glowing orange-scarlet.
438	*Del Monte	Salmon cerise pink.

438	*Del Monte.	Salmon ce	rise	pink.
490	701 6	Databe a	L o	omonos cor

439	Fiery Cro	ss. Brigh	t red orange-cerise.
450	*Fortune.	Rich darl	blue.

451	Hawlmark	Lavender.	Clear	light	lavender.
452	Hawlmark	Scarlet.			

101	ALCO III MARRIED III IO COM-		
453	Heavenly Blue.	Delphinium	blue.
454	Hebe. Large br	ight pink.	

101	Hebe. Barge	oright billing	
455	Illuminator.	Salmon orange,	overlaid cerise.

456 *Ivory Picture. Ivory cream.

Modern culture of Sweet Peas has produced so many beautiful colors and such large flowers that they are almost indispensable. That these fine new varieties are harder to grow, goes without saying, for with many people success seems to be the exception.

We made a canvass among our customers and have come to the conclusion that poor soil causes most of the failures and the unfavorable place they were sown and the wrong method of cultivation caused the rest.

Sweet Peas need rich soil—the richer the better—and it should be rich to a depth of at least one foot. Raw Bone Meal, a pound to three feet of row, is the best fertilizer, especially in heavy soil. Sheep manure comes next, and old cow manure and rotted horse manure follow, but fresh horse manure should never be used and in no case should any fertilizer come into direct contact with the seed, especially if the fertilizer is fresh.

In clay soil, three or four inches is a sufficient depth to sow the seed and in light soils six or eight inches will be better. Some people advise sowing the seed in a trench and filling in the soil as the plants grow, but this sometimes smothers the plants. Others advise covering the seeds to the proper depth at once and treading the soil down firmly. The latter method will take the seed longer to grow, so that early sowing is necessary if early flowers are wanted. By this method successive sowings may be made so that flowers may be had until frost.

Better results are obtained by having the vines away from walls and tight fences, as the plants seem to require air.

If the soil is frequently stirred and watered too often, rank vines are obtained, but at the expense of flowers. It is therefore better to only pull the weeds and stir the soil but little. If the vines are allowed to go to seed they soon cease blooming.

A mulch of lawn trimmings or similar material laid about the plants keeps the soil moist and cool and also checks the growth of weeds.

If the seed is treated with Sweet Pea Bacteria there will be an increase in size of flower and a more extended blooming season.

Our grower in California has recommended the following list as being the best of the 150 kinds he grows.

457 *Mary Pickford. Dainty cream pink, suffused

458 *Mermaid. Rich true lavender.

Miss California. Orange salmon, cream pink.

Powerscourt. Fine lavender. 460

Royal Purple. Rich purple. Royal Salute. Scarlet cerise. 462

463 *Snowball. Dazzling white.

464 Tangerine. Orange.

465 Warrior. Giant maroon.

466 *What Joy. Cream.

467 Youth. Large white, pink picotee.

Superb Mixed Giant Flowering Spencers. To the best mixture we are able to buy, we add some of each of the above list. Per pkt. 10c, per ounce 35c, ½ lb. \$1.00, pound \$3.00.

DWARF SWEET PEAS.

Cupids Mixed. These grow six inches high and make compact bushes, suitable for a border. Pkt. 10c, oz. 15c, ¼ lb. 40c. Hardy Sweet Peas. See Lathyrus.

SWEET ROCKET. (Nachtviola.)
(Hesperis Matronalis.)
Showy hardy perennials growing two or more feet high and bearing spikes of fragrant flowers that will continue in bloom for several weeks if not permitted to go to seed.

NO.		PKT.
470	Purple. (Dame's Violet.)	
471	Pure White	
472	Fine Mixed	

SWEET SULTANS. (Centaurea Moschata.)
Undoubtedly the finest of all Centaureas for cut
flower purposes. The beautiful sweet-scented,
artistic-shaped flowers are borne on long, strong
stems, and when cut will stand for several days
in good condition. It is best, in this latitude, to
sow very early in the spring, so that they may
perfect their flowers before very hot weather
comes.

473	Americana			
	did native			
	immense tl	nistle-like	blooms	f a rosy-
	lavender co			
	border and	splendid	for cuttin	g. ¼ oz.
	450	_		

45c Suaveolens (Grecian Cornflower). Very showy, large, bright yellow flowers; sweetly scented and a popular sort for cutting, lasting well. Imperial Mixed. Colors white and shades of pink, Illac and purple; flowers large and numerous. ½ oz. 45c. Very .10 .10



SWEET WILLIAM. (Dianthus Barbatus.) (Bartnelke.)

(Bartnelke.)

Attractive, free-flowering hardy perennials usually classed as Dianthus with China Pinks, but are different from them in not blooming until the second year. In beds and borders they will produce a splendid effect in their rich, velvety flowers of many colors. They are of easy culture and profuse bloomers, appearing so early in the season that they fully repay for time and effort spent upon them. It is much better to raise new, vigorous young plants from seed every season than to divide the old plants.

CHULL	to divide the old plants.	
476	Pink Beauty. Striking salmon-pink	.10
477	Scarlet Beauty. Bright scarlet	
1 78	Dark Crimson. Rich dark shade	.10
179	Giant Auricula-Eyed. Various colors with	
	well-defined eyes	.10
180	Finest Single Mixed. All colors. 1/4 oz.	
	50c	.10
	D1	

Plants ready in May. Double Mixed. A choice blend. 1/4 oz. .10



THUNBERGIA. (Thumbergie.)
(Black-eyed Susan.)
Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively in hanging-baskets and vases. Very pretty flowers in buff, white, orange, etc., with dark eyes; mixed colors; 4 ft.
NO.

TORENIA.

Beautiful, free-flowering plants; suitable for pot-culture in house or conservatory. They also succeed well in a moist, shady border, during the summer months, and, for baskets and vases, are unsurpassed. 'Light, rich loam. Tender perennich nial. 483 Fournieri.

Fournieri. Azure blue, with three dark blue spots and bright yellow throat....

TRITOMA. (Red Hot Poker.)

VALERIANA. (Valerian.)
(Hardy Garden Heliotrope.)
Showy border plants with large heads of sweetly fragrant flowers of pinkish-white during June and July.

Officinalis. Strong heliotrope odor. 3

VERBENA. (Eisenkraut.)

This well-known and popular annual of a low procumbent habit is very desirable for massing in beds, for borders, window boxes and hanging baskets. Large clusters of brilliant flowers are borne in profusion from the early summer until frost. The shades run from snow-white to deep purple, including eyed-sorts and striped varieties. They lend themselves readily for bouquets. Sown in the open in May, the seed will produce flowering plants by August, but the season may well be prolonged by starting indoors and transplanting after danger of frost is over. Soak the seed before planting. A light turfy loam is best. The mammoth-flowering strain we offer has trusses and individual flowers of the largest size.

dividual flowers of the largest size.

486 Blue Shades. . 10 487 Pink Shades. . 10

488 Pure White. . 10 489 Defiance, scarlet . 10

490 Striped Varieties, all colors........ . 10

491 Auricula-Flowered Hybrids, finest colors and large of the state of .10

ors, large eyes.

ors, large eyes.
SUPERB MAMMOTH MIXED. Our own blend of very choicest stock of separate colors. 1/8 oz. 30c.

Lemon Verbena. (Aloysia Citriodora.)
An old favorite, with fragrant evergreen leaves, suitable for garden culture or for pot plants during the winter. The leaves are often dried and placed among linens

Plants ready in May.

VERONICA. (Speedwell.)
Hardy perennial with spikes of flowers in various colors, mostly shades of blue, in varying heights.

Spicata Very Fine Mixed. Blue, white and pink; 1½ ft.....





VINCA. (Sinngruen.) (Madagascar Periwinkle or Old Maid.)

Beautiful free-flowering plants, with handsome blossoms. Seed should be sown early inside and transplanted into the border in May or June, where they will give fine blooms through the summer and autumn. Light, rich soil.

NO. 495 Pure White. . . . 10 496 Rose Pink 10 497 Mixed Varieties. Four sorts. ½ oz. 35c . . 10

Bedding Plants ready in May.

VIOLET. (Viola Odorata.)

Violas. See under Pansies.



WALLFLOWER. (Cheiranthuscheiri.) (Gelbveil oder Goldlack.)

These fragrant flowers should be better known. Their adaptability for outdoor growth and for pot-culture should win favor here as in Europe. where they are very popular. The oriental coloring of the blooms in their rich reds and yellows is very effective. Succeed best in light, rich soil in a moist atmosphere. Sow the seed early in a hot-bed and transplant. On the approach of cold weather pot and grow in the house to flower all winter. Tender perennial. 2 ft.

NO. 499 Extra Double Finest Mixed. 2 ft....... .15

XERANTHEMUM. (Everlasting.)

Handsome double everlasting flowers easily dried and used for winter bouquets. Annual.

501 Annuum Mixed. White, pink and pur-

ZINNIA

With seed supplies cut off from the usual sources during the late war, the world turned to California to fill the gap. The result brought us, among other things, the modern Zinnia. Not only have they been greatly increased in size of flower but also in color range until we now have more than a dozen. Not only that, but new forms have been developed so that the Zinnia now ranks as one of the two or three most popular and widely sown flowers grown. That all these improvements have been made without sacrificing vigor and sturdiness of the plants is gratifying because there is hardly another plant that will flower so well under adverse conditions. The separate colors enable our friends to work out almost any color scheme in the garden, an art in garden-making that adds greatly to the pleasure of the effort.

California Giant Double.

503	Scarlet15 504 White	.15
505	Crimson15 506 Canary Yellow	.15
507	Shrimp Pink15 508 Golden Yellow	.15
509	Salmon Rose15 510 Apricot	.15
511	Deep Rose15 512 Special Mixed	.15
	Any of above, ¼ oz. 60c.	
	Giant Dahlia Flowered Type.	
513	Exquisite. Light rose; deep rose center	.20
514	Golden State. Rich orange yellow	.20
515	Crimson Monarch. Largest and best red	.20
516	Meteor. Deep red	.20
517	Oricle. Orange and gold	.20
518	Dream. Deep lavender turning to purple	.20
519	Canary Bird. Delicate primrose	.20
520	Polar Bear. Pure white	.20
521	Gold Medal Mixture. 1/8 oz. 75c	.20

Giant Mammoth Type.

522	Enchantress. Light rose	.20			
523	Lemon Queen	.20			
524	Orange King. Burnt orange	.20			
525	Rose Queen. Bright rose	.20			
526	Scarlet Gem	.20			
527	Finest Mixed. ½ oz. 50c	.20			
Lilliput Type. Blossoms an inch in diameter; plants 8 inches					

Picotee Type. Comes in many colors, the petals of each color edged with a darker shade.

Bulbs, Roots and Plants BEGONIAS. (Tuberous Rooted.) May be grown in partial shade or in the Each Doz. full sunlight if kept moist, may be planted out of doors latter part of May. They bloom continually from July until frost and produce a gorgeous effect. Single Pink, Apricot, Scarlet, Crimson, White and Yellow...... \$ 25 \$2.50 CALADIUM.ESCULENTUM Commonly called Elephant's Ears. One of the most beautiful and ornamental foliage plants. Will grow to immense size if well taken care of. Small bulbs (for bedding), each 15c; Medium bulbs, each 25c; Large bulbs, each 35c. EVER-BLOOMING FRENCH CANNAS—(Started Plants) City of Portland. Strong growing, deep pink. Stalk grows 3½ feet in height.. \$.35 \$3.50 Hungaria. The new rose-pink. Stalks 3½ to 4 feet..... .25 2.50 Apricot. A rich apricot. 4 ft...... 2.00 King Humbert. Orange-scarlet streaked with crimson. Height 4½ to 5 feet. Per hundred \$12.00.... .20 2.00 1.75 .25 2.50 The President. Glowing scarlet canna, does not fade in the sun; height 4 feet... 2.50 The Ambassador. Fiery scarlet flowers, darkly veined bronze leaves; height 4 feet. (Bronze Leaved President).....

DAHLIAS

.35

.20

3.50 2.00

2.00

3.00

Each \$.15 .25 .50 .25 .40

Eureka. The best pure white; robust grower. 4 feet......

Chief among the newer of these is the Cactus type with long and twisted petals, which is a radical departure from the old-fashioned "Show" Dahlia with each petal set in its place. Then there are Decorative and Fancy Dahlias with reflex petals. Pompon Dahlias, which have small ball-shaped flowers, Single Dahlias in many beautiful colors and the tall-growing, loose-petaled type with its big fluffy blooms. We submit below a list of the very finest Dahlias that are now cultivated. These are so widely different from the common garden Dahlias of a few years ago that they will scarcely be recognized as belonging to the same group of flowers.

CACTUS DAHLIAS

Characterized by long, narrow, pointed, tubular and twisted petals.	Each
Attraction. The flowers are soft silvery mauve rose with white suffusion. Betty Austin. Yellow at base, blending to rosy carmine	\$.40 .60 .50
Mount Shasta. Shell pink shading to light yellow in the center and darker at the tips. Joppa. Monster flowers; dark salmon-rose, combined with apricot and golden yellow;	.50
strong stems	1.50
like a chrysanthemum	.50 .75
Gladys Sherwood. Pure White; Immense Size	.75
George Walters. A very large soft coral pink bloom suffused with gold Lucy Ashton. Pretty shade of light pink, creamy base	.60 2.00
Marguerite Bouchon. Lavender Pink, White tipped	.50 .35
Mrs. Edna Spencer. Lavender or orchid pink with lighter shadings. Pink Pearl. Lilac pink with lighter tips	.75 .25
Pink Profusion. Bright pink, shading slightly to flesh at the center	.75
Rheingau. Brilliant scarlet flowers about five inches wide	.25 .50
SHOW DAHLIAS	

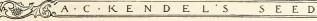
This type is the most formal and perfect in shape; composed of short, stiff quills.

Tillamook. Immense quilled flowers of delicate blush-pink.....





DECORATIVE DAHLIAS	
Amun Ra. A giant blossom on extra long upright stem. Soft melon pink, with sur-	Each
face of gold, bronze center	\$.75 1.75
Jersey Beauty. Clear pink; flowers of perfect form; good keeper; stems long; early to bloom	.75
Marcella Gill. Beautiful clear, soft pink; long, strong stems; early and free flowering and fine keeper	.60
Oregon Beauty. Large flowers of intense oriental red, with golden sheen suffused with garnet; long stems	.40
The Grizzly. A dark velvety maroon beauty. This flower of immense size is held high on extra strong stems.	1.00
Hazel Wilton. Rich saturnine red suffused with orange; strong stems	1.50
Hortulanus Fiet. Color is lilac-rose, the petals shade from golden yellow at base to pale lilac at tips. Colossal size	.40
Isabel Street. Large flowers, on long, stiff stems. At the base the petals are bright yellow shading to deep rose	1.00
Jane Selby. Immense, pure pink flowers standing well above the foliage Judge Marean. Large flowers of blended pink, gold and orange	.75 .75
King of Commerce. Color yellow, with a red swarthiness at center. Medium size	.60
Insulinde. Very large orange buff, overlaid with a golden sheen	.60 .60
Mrs. C. H. Dresselhuis. Delicate rose, tipped flesh; profuse, medium size blooms	.50
Mrs. Carl Selbach. Immense bloom of a lovely mauve pink lighter at the center Mrs. J. Gardner Cassett. Bright cerise pink, large flowers	.60 .20
Mrs. I. de Ver Warner. Flowers of large size. Color is deep mauve pink	.75 .50
Paul Michael. One of the largest dahlias to date. Color pure gold, shaded orange-buff.	1.00
Pride of California. Very large flowers of bright crimson, with darker centers	.35
PEONY DECORATIVE DAHLIAS	
The flowers are very large, and are best compared to the semi-double Peonies in general form.	Each
Aurore. Very large orange and apricot. Billionaire. Immense flowers of a beautiful shade of golden orange	\$.60 .60
City of Portland. Clear Canary Yellow. Hon. R. L. Borden. Large blooms of a distinct rich golden-bronze.	1.00
John Wanamaker. Large lavender pink	.30 .60
Queen Elizabeth. Large flowers of a beautiful rosy mauve	.50 1.00
Autumn Gold. Beautiful blending of bronze and buff	.50 .75
SINGLE DAHLIAS INCLUDING THE CENTURY These are now very popular both for garden decoration and for cutting.	Fach
Big Chief. A splendid blossom of brilliant cherry red. Barton. Pure red, of large size.	\$.25 .35
George Young. Pure yellow of largest size	.35
Praxitelles. Deep violet maroon, each petal tipped white	.30 .40
POMPON DAHLIAS	
	Each
Allie Mourey. Primrose and pink	\$.20 .20
Bronze Beauty. Good sized flowers of light bronze	.20
Little Belle. Mauve-pink Little Buff. Deep bronze-buff. Fine for cutting Little Herman. A compact little flower of bright red	.35 .25
	.20



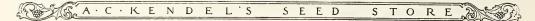


GLADIOLI

Gladioli should be planted at intervals of ten days from the time the ground can be worked (about April 15th) until July 15th. If this is done the gardener can be assured of a continuous mass of bloom from July until frost.

The following varieties were selected to give a wide range of the choicest coloring, form and size. Every sort listed here was chosen for its individuality.

and size. Every sort listed here was chosen for its individuality.			
	Each	Doz.	Per 100
American. Soft flesh pink. The individual flowers are very large	\$.06	\$.60	\$4.00
Anna Eberius. Dark velvety purple with darker throat	.15	1.50	10.00
Annie Laurie. Beautiful shrimp pink overlaid rose pink. Fine ruffled		2000	10.00
variety	.40	4.00	
Captain Boynton. Large flowers of lavender, with darker spot on lower	•••	1100	
petals	.15	1.50	10.00
Chateau Thierry. Orange-cerise flowers with red blotches on lower	.10	1.00	10.00
petals	.15	1 50	10.00
Red Canna. Large scarlet blooms. One of the tallest Gladioli		1 50	10.00
Crimson Glow. Tall spikes of extra large, brilliant crimson flowers	.15	1.50	10.00
	.15	1.50	10.00
Evelyn Kirtland. Rosy-pink at the edges passing to shell-pink in the	4.0	= 00	
throat with fiery scarlet blotches on lower petals	.10	1.00	7.50
Ethelyn. Fine orange yellow of great substance; good cut-flower			
variety	.20	2.00	15.00
Golden Measure. Dark yellow, large spike	.15	1.50	10.00
Goliath. Showy spikes of dark maroon flowers	.15	1.50	10.00
Gretchen Zang. Giant spikes of immense salmon-pink flowers	.10	1.00	7.50
Halley. Salmon-pink, dark red stripes on lower petals	.8	.75	5.00
Henry C. Goehl. Large solid, white flowers, slightly flushed with pink;			
deep crimson blotch on the lower petals	.30	3.00	
Herada. Phlox color shaded with purple	.10	1.00	7.50
Joe Coleman. Vivid cardinal red brightened by crimson and maroon.			
Ruffled edge	.10	1.00	7.50
Mary Pickford. Flower of a most delicate creamy-white. Throat of			
soft sulphur-yellow	.15	1.50	10.00
Miss T. Rose. Beautiful creamy Tea Rose color	.15	1.50	10.00
Mr. Mark. Light blue with dark blue blotch in throat	.15	1.50	10.00
Mrs. Avis Manning. Bright pure yellow. A wonder	.50	5.00	
Mrs. Dr. Norton. Very large white flowers with edges suffused with			****
soft La France pink	.15	1.50	10.00
Mrs. Francis King. Immense flowers of a beautiful flame-pink	.8	.75	5,00
Mrs. Frank Pendleton. Large, salmon-pink, heavily blotched with			-,
blood-red in the throat	.10	1.00	6.50
Mrs. Frederic C. Peters. Rose lilac with crimson blotch on the lower		2000	0.00
petals; fine	.10	1.00	7.50
Mrs. Leon Douglas. Rose striped with orange and scarlet	.15	1.50	10.00
Mrs. Wm. E. Clark. Long, perfect spike of salmon pink flowers with	• 20	1000	10.00
bright crimson blotch. Certificate of merit from Am. Glad. Society	.15	1.50	
Odin. Salmon with large flowers and small spots on lower petals	.15	1.50	10.00
Peace. Flowers color pure white, feathered with pale lilac	.10	1 00	6.50
Pink Perfection. Very large flower of a delicate pink	.15	1.50	10.00
Pink Wonder. Immense flowers of La France Pink Yellow shading on	.10	1.00	10.00
lower petals	.15	1.50	10.00
Prince of Wales. Delicate salmon-rose	.10	1.00	7.50
	.10	1.00	7.50
Priscilla Alden. Orange with light yellow blotches. Certificate from	Δr	1.00	
Mass. Hort. Society	.10	1.00	
Rose Mist. Good spike of well spaced rose colored flowers	.35	3 50	
Schwaben. A clear citron-yellow with purple tongues on lower petals	.10	1 00	7.50
Sunnymede. Orange yellow with red blotch	.30	3.00	
Early Sunrise. Mammoth blossoms of flaming red with faint orange		7 50	70.00
shading		1.50	
Scarlet Wonder. Mammoth flowers of purest deep scarlet		2.00	15.00
Twin Fires. Pure pink with yellow blotches and scarlet spot in center	.35	3.50	
Wilbrink. Pale rose-pink. Very early. A good forcing variety	.10	1.00	7.50
GOLD MEDAL MIXTURE			
OOLD MEDAL MIXIONE	Facts	D	Day 100
A	Each	Doz.	Per 100
A magnificent assortment of flowers of fine form and substance and of			
the most charming colors, including those of solid colors, delicate			
shadings and stripings; and vivid blotchings on backgrounds of			
light tints. By far the finest mixture of Glads that we have ever			
Ct. 1		0 10	0.4 = -
offered		\$.60	\$4.50



GLADIOLI-Continued

PRIMULINUS HYBRIDS

Most pleasing self-colors that vary from pale yellow to bright salmon, apricot, and light scarlet. These graceful flowers are of medium			
size, of a distinct hooded style with prominent veinings on the petals.	Each	Doz.	Per 100
Alice Tiplady. Color a beautiful saffron-orange		\$1.00	\$7.50
Jewel. Salmon pink with golden throat	.15	1.50	10.00
Maidensblush. Enchantress pink; earliest of all	.15	1.50	10.00
Ming Toy. Deep buff with yellow throat	.15	1.50	10.00
Myra. Giant flowering, deep salmon on yellow ground, tall	.15	1.50	10.00
Orange Queen. Flowers of pure Apricot	.20	2.00	15.00
Salmon Beauty. Deep salmon with yellow throat	.15	1.50	10.00
Butterfly Primulinus Mixture. A very fine mixture of all colors		.60	4.50

GERMAN IRIS

German Iris. They will grow almost anywhere, in the sun or shade, and are perfectly hardy. Colors blue, yellow, purple, white and combinations of colors.

In the description (S) is used to signify standards or the erect			
petals. (F) falls or the drooping petals.	Each	Six	Doz.
Aurea, S and F, clear rich yellow	\$.25		\$2.50
Iris King, S, clear lemon yellow, F, rich maroon bordered yellow	.35		3.50
Madame Chereau, S and F. White, frilled azure blue	.25		2.50
Mrs. H. Darwin, S, pure white, F white slightly violet at base	.25		2.50
Oriflamme, S light blue; F is a rich violet. Enormous flowers	.30		3.00
Pallida Dalmatica. S and F of soft lavender, sweetly scented	.37		2.50
Parc de Neuilly. S and F rich dark purple; late flowering	.23		2.50
Rhein Nixe. S pure white, F deep violet blue with white edge	.23		2.50
Monsignor. S a beautiful violet, F are darkly veined crimson purple	.25		2.50
mt 4 7 1 44 4 0 1 1 1 4 4 4 4			

The above Iris are all extremly fine varieties and should not be confused with the older unnamed sorts.

JAPAN IRIS

Last of the wonderful Iris procession in time of flowering; but for size of plant and flowers, shapeliness, richness of coloring, beauty of pattern, and splendor of general effect it is unquestionably first.

splendor of general effect it is unquestionably first.	Each	Doz.
1-Kumo-no obi. (Band of Gold.) Clear purple, with distinct rays and halo		D02.
of white surrounding the golden throat, the pure white standards tipped purple	\$.35	\$3.50
2-Gekka-no-nami. (Waves under Moonlight.) Glistening white with creamy		3.50
white stigmas		3.30
3-Moniji-no-taki. (Maple Waterfall.) Bright rosy crimson, beautifully feathered in white. Petaloid-stigmas white, purple crested		3.50
4—Koki=no=Iro. (Purple and Gold.) Rich violet purple with white petaloids tipped violet. The conspicuous golden throat extends outward in sharp		
bluish white rays		3.50
5-Gold Bound. A fine double, pure white, enriched by a creamy glow from the		
gold banded center	.35	3.50
6-Ushiu. (Universe.) Six-petaled flowers. Color cerulean blue with golden center and white halo from which radiate many clear white lines. Standard		
white, tipped blue	.35	3.50
7—Iso-no-Nami. (Shadow Waves.) A magnificent broad petaled variety; one of the largest flowered, and the latest to bloom. Color, rose and cerulean		
blue over white; deepening towards the center of rosy lilac	.35	3.50
Superb Mixture of Japan Iris Roots, good assortment, un-named		2.00

LILIES

Lilies thrive best in a rich, moist soil. Most varieties should be planted at least six inches deep and an inch or two deeper if of the Speciosum variety. When planted the bulbs should rest upon an inch of sand and about the same quantity should surround the bulbs on all sides. A light covering of leaves or litter should be spread when the ground freezes.

	Each	Doz.
Auratum (Gold Banded). Undoubtedly one of the finest. Its large, graceful,		
fragrant flowers are composed of six petals of a delicate ivory-white color,		
thickly studded with chocolate-crimson spots, and striped through the center		
		0
a golden-yellow; 3 to 5 feet. July, September		\$3.50
Batemanni (Turks Cap). Color reddish orange	.40	4.00
Henryi (Yellow Speciosum). Deep apricot-yellow, lightly spotted brown	.75	7.50
Regale (Myriophyllum). The large trumpet-shaped, delicately scented flowers,		2000
are ivory-white, shaded pink, tinged with canary-yellow at the base of the		
petals	.50	5.50
Speciosum Album. Pure white with a green band traversing the center of each		
petal	.60	6.00
Speciosum Rubrum. With ruby spots distributed over a broad expanse of		0,00
white	.45	4.50
Superburn. A beautiful, native variety, bright, reddish-orange, spotted	.40	4.00
Tigrinum Splendens. Bright orange-red, spotted with black	.25	2.50
Tigrinum Flore Plena. Bright orange-scarlet, spotted black	.25	2.50
Umbellatum Grandiflorum. Coppery-orange, bell shaped flowers	.45	4.50
C		.,

PAEONIES

The cultural requirements of the Paeony are few and simple: A sunny position; a deep, rich soil and a plentiful supply of water during the growing season.

We offer only whole roots as we do not handle "divisions" or "eyes". The planting of

whole roots means the saving of two or three years in securing perfect blooms.

Ē	Each	Each
Couronne d' Or. Good sized flowers, of creamy white, sometimes flaked with		
carmine at center\$.40	\$2.50
Duchesse De Nemours, large and full, the most nearly pure white	.40	2.50
Dorchester. Pink flowers. One of the latest to bloom. Dwarf, compact		
grower	.50	2.50
Felix Crousse. Double heads; deep crimson, marked with cardinal. Late	.50	3.00
Festiva Maxima. White, inner petals, slightly tipped crimson	.40	2.50
L'Esperance. Deep rose with crinkly white tips large, pink	.40	2.50
Messonier. Cardinal, violet tipped. Flowers large and high built	.40	2.50
Mons. Jules Elie. Pure pink; broad reflexing guards with a high pyramidal		
body	.75	3.00
Sarah Bernhardt. Apple blossom pink, with each petal tipped with silver	.75	3.00
Virginie. A dainty pink with yellow stamens	.75	3.00

TUBEROSES

The bulbs grow in any garden soil, but should be planted where the sun can reach them all day and with the tops out.

Doz. Per 100 Double Pearl. First size and quality. 3 for 25c..... \$.75 \$5.50

POT GROWN BEDDING PLANTS

For further descriptions see under Flower Seed List. Each Doz. AGERATUM. Blue annual useful for bedding; in bloom throughout the summer \$.10
ALYSSUM. One of the best known annuals, flowers all summer. . . .10 \$1.00 .75 ANTIRRHINUM. (Snapdragon.) In separate colors..... 1.00 .10 .75 .10 1.00 1.00 .10 .75 .40 35c to 50c. 1.50 .15 1.00 .10

.15

.20

1.50

2.00

HELIOTROPE. Excellent for bedding, very fragrant, fine for cutting.......

LANTANA. Half-hardy perennial with blossoms resembling Verbenas......

POT GROWN BEDDING PLANTS (Continued)

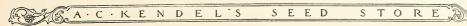
LARKSPUR, ANNUAL. Blue, Carmine, Pink and White. LEMON VERBENA. Very fragrant foliage LOBELIA. Beautiful blue, for borders, window boxes and hanging baskets MARIGOLD. Blooms continually	Each .10 .25 .10	Doz. .75 2.50 1.00 \$1.00
of colors PETUNIA. Rosy Morn and Balcony Fringed.	.10	.40 1.00
PETUNIA. Cal. Giants. From 2½ inch pots, each 10c; 3 inch.	.25	2.50
SALVIA. Long spikes of brilliant scarlet flowers. From 2½ inch pots, each		7 50
10c; 3-inch SALPIGLOSSIS. Yellow, crimson and purple.	.15 .10	1.50 1.00
VERBENA. Heads of brilliant, colored flowers	.10	.75
WALLFLOWER. Sweetly scented flowers in the early spring. Colors are the	.20	
various shades of reds and yellows	.15	1.50
ZINNIAS; Giant Flowering. All colors	.10	1.00

VEGETABLE PLANTS

As usual we will have a large supply of all kinds of Vegetable Plants such as Cabbage, Cauliflower, Celery, Tomato, Egg and Pepper Plants, Strawberry and Sweet Potato Vines at reasonable prices. As far as possible, these are raised from our own stock seed of the best varieties for home use and they may be relied upon. Ready in May and June.

VINES

VIINES		
	Each	Doz.
Boston Ivy. (Ampelopsis Veitchii.) Perfectly hardy and able to cling to brick or stone walls; strong 2-year roots. Ready in March. Each 50c. Pot Grown Boston Ivy, in leaf, ready in June	.50	
Cinnamon Vine. Beautiful glossy leaves	.15	\$1.25
Clematis Paniculata. (Japanese Clematis.) A perfectly hardy vine. Blossoms white, fragrant, and so abundant as to suggest a cloud. Out of two inch pots. Each 15c; 2 for 25c. 2 year Roots, each 35c. Dutchman's Pipe. (Aristolochia Sipho.) A hardy vine with large heart-shaped leaves and brownish flowers resembling miniature pipes. Strong dormant plants in March		
Honeysuckle. (Hall's). White, fragrant flowers. Perfectly hardy and foliage is retained very late. Two year old Dormant Roots 45c each; Plants out of pots, each 15c; 2 for 25c.		
Madeira Vine. A rapid-climbing plant, having beautiful, wax-like leaves and feathery white flowers, with a delicious fragrance resembling mignonette. Ready in April. 2 for 25c	.15	
and are delicately fragrant. Grows best in the sun, and requires rich soil and plenty of water. 2 for 25c	.15	
POLYGONUM AUBERTI		
It is almost unbelievable that a hardy vine could grow so fast and so far in the first season, and the second and later seasons only increase one's wonder. In June and again in August the vine produces masses of fronds of tiny white flowers in such profusion as to almost hide the leaves		Doz.
WISTERIA VINES		
.,	Each \$.75	Doz.





HARDY PLANTS

For further descriptions see under Flower Seed List.	Each	Doz.
ACHILLEA (The Pearl). Pure white flowers, fine in the cemetery. 2 feet high. ACONITUM (Monkshood). Deep blue flowers of branching habit	\$.15 .25	\$1.50 2.50
ALYSSUM (Saxatile Compactum). Masses of yellow flowers in May	.15	1.50
ANEMONE (Japonica, White or Pink.) Autumn flowering plants	.20	2.00
ANCHUSA ITALICA (Dropmore Variety). Gentian-blue	.15	1.50
AQUILEGIA (Columbine). The most varied and delicate combinations of color.	.15	1.50
ARTEMESIA (Wormwood). Large, branching panicles of creamy white	.25	2.50
flower-heads ASTERS, Hardy, Masses of blooms throughout the fall.	.15	1.50
BAPTISA. Australis. Racemes of indigo-blue flowers in mid-summer	.15	1.50
BOLTONIA. Latisquama. Large sprays of lavender-pink flowers	.20	2.00
CAMPANULA (Calycanthema). Large cup-and-saucer-shaped flowers	.20	2.00
CAMPANULA (Medium Canterbury Bells). One of the most popular biennials. CAMPANULA (Pyramidalis). Forms a perfect pyramid, crowded with large	.20	2.00
blue flowers	.20	2.00
CANDYTUFT (Annual Iberis). Fine for massing in beds or borders or cutting CENTAUREA MONTANA. Flowers of violet blue from July to September	.20	2.00
CHRYSANTHEMUM. White, Red, Pink and Yellow. Last splendidly when	.15	1.50
cut and will remain in bloom outside after other flowers have been kil ed		
by frost	.20	2.00
COREOPSIS LANCEOLATA. Flowers of rich golden-yellow during the entire		7 80
summer SHASTA DAISY (Alaska). Blossoms 4½ to 5 inches across; white	.15 .15	1.50 1.50
DELPHINIUM (Belladonna). Large spikes of the most delicate turquoise-blue.	.15	1.50
DELPHINIUM (Bellamosa). A very dark blue variety	.15	1.50
DELPHINIUM (Gold Medal Hybrids). Grand assortment of colors	.15	1.50
DIANTHUS PLUMARIUS (Spice or Border Pink). Flowers strongly clove-	.20	2.00
DICENTRA (Bleeding Heart). Heart-shaped pink flowers are always attrac-		
tive	.7 5	7.50
DICENTRA (Formosa) (Plumy Bleeding Heart). A low-growing species;	.25	2.50
showy pink flowers. DIGITALIS (Foxglove). Bloom profusely during June and July	.20	2.00
FORGET=ME=NOT. The ever-blooming variety	.20	2.00
FUNKIA VARIEGATA. Flowers lilac; leaves a deep green, striped vellow	.20	2.00
GAILLARDIA GRANDIFLORA (Blanket Flower). The large brown center is		
surrounded with scarlet or crimson rings, with an outer border of orange	.15	1.50
or yellow	.13	1.50
red	.15	1.50
GYPSOPHILA (Baby's Breath). Cloud-like sprays of minute white flowers	.15	1.50
HELIOPSIS EXCELSA. Chrome-yellow bleaching to clear yellow as flower		2.00
matures HEMEROCALLIS THUNBERGI (Yellow Day Lily)	.20	2.00
HEUCHERA SANGUINEA. Graceful spikes of bloom much prized for cutting.	.25	2.50
MALLOW MARVELS. New varieties, with the richest colors; enormous		
flowers		2.00
HOLLYHOCK. All colors	.15 .20	1.50 2.00
LAVENDER. Deliciously fragrant perennial		2.00
LATHYRUS (Hardy Sweet Pea). Free-flowing perennial climber	.20	2.00
LIATRIS (Blazing Star). Tall rocket-like spikes of rosy purple flowers	.20	2.09
LOBELIA CARDINALIS. Long spikes of fiery scarlet flowers		2.00
LUPINES, HARDY. Large spikes of Pink, Blue and White flowers	.25	2.50
LYCHNIS (Jerusalem Cross). Bunches of bright scarlet flowers, 2 to 3 feet MONARDA ROSEA (Bee Balm). Bright Rose colored flowers with aromatic		2.50
foliage	.20	2.00
OENOTHERA (Evening Primrose). Beautiful, yellow blooms from June to		
September		2.50
POPPY (Iceland). Flowers ranging from white to deep orange-scarlet POPPY (Orientale). Gigantic orange-scarlet flowers		2.00 2.00
POPPY (Bracteatum). An attractive shade of crimson		2.00
HARDY PHLOX. Magnificent spikes of showy Pink, White and Red flowers		
year after year, with comparatively little care	.20	2.00
PHLOX SUBULATA (Moss Pinks). Mass of pink blooms in early spring		1.50
PHYSOSTEGIA (False Dragon-Head). Mid-summer flowering perennial, forming bushes 4 to 6 feet high, bearing spikes of pink and white flowers		1.50
PLATYCODON (Chinese Bell Flower). Large blue flowers in July and August	.15	1.50



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HARDY PLANTS (Continued)	
PYRETHRUM (Painted Daisy). Foliage fine cut and attractive. Flowers in	Doz.
shades of pink, crimson and white	1.50
PRIMULA VERIS (English Primrose). Plant them in rich, well-drained soil in the border or in a sheltered nook in the rockery	2.00
GOLDEN GLOW. Carries its bright yellow flowers from early summer until frost	1.50
SALVIA AZUREA. Pretty sky-blue flowers in August and September	1.50
SCABIOSA. Large lavender blue flowers borne on long stems	2.00
late fall	2.00
large, spreading panicles of small "everlasting" flowers	2.00 2.00
SWEET WILLIAM (Dianthus). Free-flowering perennial, producing splendid	
effects, with their rich and varied flowers	1.50 2.50
TROLLIUS. Mammoth bright yellow flowers, May to August	5.00
and July	3.50
ORNAMENTAL SHRUBS	
ALMONDDouble Pink. The very double, rose colored flowers are borne in the	Foot
greatest profusion, 18/24 in, size	\$.75
ALTHEA (Rose of Sharon). Blooms in August and September. Has great quantities of brightly colored flowers, 24/36 in. size	.60
JAPANESE RED-LEAVED BARBERRY. It is thoroughly hardy and the foliage is a rich bronze red, becoming brighter and handsomer as the season advances. To	ı
have the coloring at its best this should be planted in full sunlight, 9/12 in., 30c	
12/15 in., 10 for \$5.00. JAPANESE BARBERRY (Berberis Thunbergii). The hardiest and most valuable or	.60
this family; a hedge plant that will turn man or beast by its density of growth and its numerous thorns, 15/18 in. Each 25c; 10—\$2.00; 18/24 in., each 35c; 10—\$3.00	ı
BUDDLEYA (Butterfly Bush). Many know it as the Summer Flowering Lilac. In its prime during July and August. Two year plants	3
CALYCANTHUS (Carolina Allspice). Its straight shoots covered with large glossy	7
leaves, from the axils of which spring odd, double, red flowers that are spicily fragrant. 15/18 in. size	75
CYDONIA (Japan Quince). Bright scarlet flowers in early spring. 18/24 in DEUTZIA (Gracillis). Dwarf growing, pure white flowers in May. 12/15 in	
DEUTZIA (Lemoinei). Large flowers of pure white, borne in cone-shaped heads	
18/24 in. DEUTZIA (Pride of Rochester). Flowers large double white. 2/3 feet	.60
FORSYTHIA (Golden Bell). Suspensa. Long drooping branches covered with yellow trumpet-shaped flowers in April. 2/3 feet	7 5
FORSYTHIA (Fortunei). Before any tree or shrub shows a leaf these strong, erec plants show glorious masses of golden-yellow flowers. 2/3 feet	t
BUSH HONEYSUCKLE (Tartarica Alba). Flowers blush white. 2/3 feet	60
BUSH HONEYSUCKLE (Tartarica Rubra). Flowers deep rose pink. 2/3 feet HYDRANGEA (Japanese or Paniculata). Immense heads of white blooms that turn	1
brown in the fall and remain thus for months in the house as a winter bouquet 18/24 in.	. .7 5
HYDRANGEA (Arborescens or Snowball Hydrangea). Makes a wonderful display all through July to September. 18/24 in	
HYDRANGEA (Tree Form). 3 to 4 feet	1.00
LILAC (Syringa Vulgaris). 2/3 feet. Purple 60c; White	1
May and June. 2/3 ft. plants	60
than the preceding. 2/3 ft. plants	60
est, handsomest, and most sweetly fragrant of any known variety, with longes	t
blooming season. 1½/2 ft	3
rapidly. 18/24 in. plants. Ten-\$1.00; 100-\$5.00. 24/30 in. plants, ten-\$1.50: 100-\$8.00.	
SNOWBERRY (S. Racemosus). Inconspicuous rose colored flowers in June and July	, 60
followed by, large clustered, milk white fruits. 2/3 feet	60
are red 7/3 reer	Utr.



ORNAMENTAL SHRUBS (Continued)

	Each
SPIREA (Anthony Waterer). This is one of the best dwarf red-flowering shrubs.	
15/18 in. plants	.50
SPIREA (Douglasi). Upright in growth. Bears spikes of beautiful deep rose-colored	
flowers in July. 2/3 feet	.60
SPIREA (Thunbergii). The white flowers appear in great numbers very early in the spring. 18/24 in.	
SPIREA (Van Houttei). (Bridal Wreath). The pure white flowers appear in early summer. Very hardy. 2/3 ft. plants	
WEIGELA (Rosea). Great quantities of pink flowers, appear in May, June and July. 2 to 3 ft. plants	.60
WEIGELA (Eva Rathke). Attractive flowers of deep carmine. 18/24 in	.75

HARDY ROSES

Roses should be planted in rich, well prepared soil, preferably clay loam, fertilized with well rotted manure or bone meal. They should be given thorough, but shallow cultivation. The best results can be obtained when planted in the open sunlight. All Roses are benefitted by winter protection, by banking about the plant with earth or covering with a light mulch of leaves or peat moss. Roses should be trimmed in the spring before growth starts, shaping the plant and removing all canes that have become weakened by blooming. The health and vigor of the plant can be improved by removing the dead flowers during the summer.

To counteract any damage to the leaves by worms use Arsenate of Lead; for aphis, thrip, or red spider, use Nicotine; and for fungus use Bordeaux Mixture or Sulphur.

HYBRID TEA ROSES (Everblooming or Monthly Roses)

Columbia. A beautiful True Pink Rose of enduring color.

Edel. Large bloom of purest white with ivory base.

Eldorado. Bud red-orange; flower pure yellow without fading out.

Emile Charles. Fiery red, shaded golden yellow.

Gen. MacArthur. Crimson scarlet with color well retained in the full open flower.

Gruss An Teplitz. Color scarlet, shading to velvety crimson, very fragrant.

Kaizerin Augusta Victoria. The color is beautiful creamy white. Fragrant and free bloomer.

Killarney. Soft pink. Buds long and pointed. It is in bloom from early summer till frost.

Killarney White. A white sport of the well-known Killarney.

Lady Hillingdon. Apricot yellow. The flowers are of large size, of good form and remarkably plentiful.

Los Angeles. Flame-pink toned with coral and shaded with gold at the base of the petals. The blossoms are very fragrant and of lasting color.

Luxemburg. A fine, fully double Rose of Golden Yellow.

Mme. Butterfly. Charming bright pink, shaded apricot and gold.

Mad. Caroline Testout. Very large flowers of great beauty. The broad petals are a bright satiny rose.

Mrs. W. C. Miller. Pearl pink and salmon, outside rosy vermillion.

Ophelia. Delicate salmon-flesh, tinted with rose pink.

Red Radiance. Even better than the parent Radiance in habit, and a lovely deep red color.

Souvenir de Claudius Pernet. Sunflower yellow; buds long and pointed; stems nearly thornless.

William F. Dreer. Soft, silvery shell pink.

Wilhelm Kordes. Exquisite golden yellow flushed with orange and copper red.

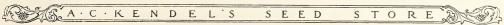
POTTED ROSES

There comes a time when dormant roses have started so much that it is risky to set them out. To provide the need for later plantings with safety we will be supplied early in June, with potted plants of the above kinds, well leafed out and in bud and bloom.

\$1.25 each—\$5.00 for six—\$9.50 for twelve.



HARDY HYBRID PERPETUAL ROSES	5	
Frau Karl Druschki. Pure snow white very long bud, opening to v	ery large flowe	rs. A
continuous and exceedingly free bloomer. Geo. Arends. A rose of much the same flower and plant character Druschki; color a satiny, tender rose.	as the famous	white
J. B. Clark. It is robust in growth, with clean, heavy foliage. Flow perbly constructed, deep scarlet overlaid crimson.		
Paul Neyron. One of the finest hardy Roses, furnishing a great of shaped flowers 4 to 6 inches across. Color a bright ruddy pink. Mrs. J. H. Laing. Soft pink, large size and richly fragrant.	quantity of unit	tormly
All Varieties, strong, dormant, two-year old plants	Each \$.75	Doz. \$8.00
HARDY CLIMBING ROSES		
American Pillar. A single flowering variety of great beauty. The flows size, of a lovely shade of pink with clear white eyes and clusters of your control of the control of	ellow stamens	\$.75
Aviateur Bleriot. Glossy foliage; large open clusters of exquisite, fragrafron yellow shaded with apricot	ant buds of saf-	75
long stems		.75
Excelsa (Red Dorothy Perkins). Blood-red cluster Rose, as free and dorn Perkins, of which it is the red prototype	nd darker than	. .7 5
Crimson Rambler. This is unquestionably the thriftiest, showiest, tical of the older pink climbers	and most prac-	7 5
clear rose-pink and salmon. Flowers generally exceed 4 inches in hardy	diameter. Very	7 5
Paul's Scarlet Climber. A brilliant, vivid scarlet which is maintained the petals fall. Medium in size, in clusters of from three to six flowers.	ers each	. .7 5
Silver Moon. Large semi-double pure white flowers with yellow stamer Tausendschoen. The individual flowers are of a most elegant and grastiff or unnatural, but as beautiful as a semi-double Azalea. These	ceful form, no	t
in trusses, each truss a veritable bouquet of flowers of varying sha white	des of pink and	1
•		
SMALL FRUITS		
GOOSEBERRIES	100 10	Each
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00	
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50	Each
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50	Each \$.25
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50	Each \$.25
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50 3.00	Each \$.25
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50	Each \$.25 .20 .40
COOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50	Each \$.25 .20 .40
Catawba Delaware Solvaning Bookning Cato Black Varieties. Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants. Houghton. Small to medium: Pale, red, sweet and tender, enormously productive. Two year plants. Josselyn. Large size of best quality. A wonderful cropper. Two year plants GRAPES Red Varieties. Two year Vines only Black Varieties. Two year Vines only	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50	Each \$.25 .20 .40 .30 .40 .30 .75
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants. Houghton. Small to medium: Pale, red, sweet and tender, enormously productive. Two year plants. Josselyn. Large size of best quality. A wonderful cropper. Two year plants GRAPES Red Varieties. Two year Vines only Catawba Delaware Salem Caco	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 3.50	Each \$.25 .20 .40 .30 .40 .30
Cooseberries Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 3.50 10.00 1.50 14.00 2.00	Each \$.25 .20 .40 .30 .40 .30 .75 .40 .20 .25
GOOSEBERRIES Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 3.50 10.00 1.50 14.00 2.00	Each \$.25 .20 .40 .30 .40 .30 .75 .40 .20
Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants. Houghton. Small to medium: Pale, red, sweet and tender, enormously productive. Two year plants. Josselyn. Large size of best quality. A wonderful cropper. Two year plants GRAPES Red Varieties. Two year Vines only Catawba Delaware Salem Caco Black Varieties. Two year Vines only Campbell Concord Moore's Early Worden White Varieties	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 3.50 10.00 1.50 14.00 2.00 18.00 2.50	Each \$.25 .20 .40 .30 .40 .30 .75 .40 .20 .25
Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants. Houghton. Small to medium: Pale, red, sweet and tender, enormously productive. Two year plants. Josselyn. Large size of best quality. A wonderful cropper. Two year plants GRAPES Red Varieties. Two year Vines only Catawba Delaware Salem Caco Black Varieties. Two year Vines only Campbell Concord Moore's Early Worden White Varieties Niagara CURRANTS	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 3.50 10.00 1.50 14.00 2.00 18.00 2.50	Each \$.25 .20 .40 .30 .75 .40 .20 .25 .30
Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants. Houghton. Small to medium: Pale, red, sweet and tender, enormously productive. Two year plants. Josselyn. Large size of best quality. A wonderful cropper. Two year plants GRAPES Red Varieties. Two year Vines only Catawba Delaware Salem Caco Black Varieties. Two year Vines only Campbell Concord Moore's Early Worden White Varieties Niagara CURRANTS Red Varieties. Two year plants only	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 3.50 10.00 1.50 14.00 2.00 18.00 2.50 18.00 2.50	Each \$.25 .20 .40 .30 .75 .40 .20 .25 .30
Downing. Large, handsome, pale green, of splendid quality for both cooking and table use. Two year plants. Houghton. Small to medium: Pale, red, sweet and tender, enormously productive. Two year plants. Josselyn. Large size of best quality. A wonderful cropper. Two year plants GRAPES Red Varieties. Two year Vines only Catawba Delaware Salem Caco Black Varieties. Two year Vines only Campbell Concord Moore's Early Worden White Varieties Niagara CURRANTS	\$15.00 \$2.00 12.00 1.50 3.00 20.00 2.50 30.00 3.50 20.00 2.50 55.00 6.50 30.00 1.50 14.00 2.00 18.00 2.50 18.00 2.50 12.00 1.50 12.00 1.50 12.00 1.50	Each \$.25 .20 .40 .30 .40 .30 .75 .40 .20 .25 .30 .30



A·C·KENDEL'S SEED ST	O R	E D	
CMAIL EDILITS (Continued)			
SMALL FRUITS (Continued) BLACKBERRIES			
Blower. One of the hardiest and most productive		.80 .70 .80	.10 .10 .10
RASPBERRIES			
Red Varieties			
Cuthbert. Berries very large, rich crimson; flavor is sweet and luscious Columbian. Very large, purplish red, great productiveness St. Regis. Everbearing. Berries bright crimson, large size, rich flavor.	3.50 5.00 3.50	.60 .60	.10 .10 .10
RASPBERRIES			
Black Varieties Cumberland. Fruit large and firm	4.00	.80	.10
Plum Farmer. Large, thick-meated, firm and attractive	4.00	.80	.10
FRUIT TREES			
We carry none of the so-called "Mail Sizes" of Trees, Shrubs, Vinall orders for these should be shipped by Express or Freight. For shweight we recommend Express shipment. For short hauls the carry greatly in excess of freight rates plus the necessary trucking charge at the shorter time needed for delivery insures receiving the goods in better	nipment ying ch it desti	s of mo arges a nation.	derate re not
APPLES—(5 to 7 feet high)			
Early Harvest, Red Astrachan, Yellow Transparent, Duchess of Oldenburg, Maiden Blush, Rambo, Baldwin, Jonathan, Delicious, McIntosh Red, Grimes Golden, Northern Spy, Rome Beauty, Spitzenburg, Wealthy, and Stayman Winesap	100	10 \$6.0 9	Each \$.75
CHERRIES—SWEET			
Bing. Black, ripens July. Tartarian. Black, June. Governor Wood. Light Red, June. Napoleon. Pale Yellow or Red, July. Yellow Spanish. Yellow and Red, June. 5 to 7 feet high	• • • •	9.50	1.00
CHERRIES—SOUR			
Baldwin. Red, ripens June. Dyehouse. Red, June. Early Richmond. Dark red, June. Montmorenci. Dark red, June. May Duke.			
Large Red, June. 4 to 5 feet high		9.50	1.00
PEACHES			
Carman. Creamy White, August. Early Crawford. Large Yellow Freestone, September. Late Elberta. Yellow, Red cheek, late September. Early Elberta. Yellow, Red cheek, Freestone, September. J. H. Hale. Golden Yellow Freestone, September. Late Crawford. Large Yellow Freestone, late September. Lemon Free. Lemon shaped and colored, September. Rochester. Early Freestone. Yel-	100	10	Each
low, sweet and juicy. August		4.00	.45
PEARS			
Bartlett, Clapp, Anjou, Duchess, Flemish Beauty, Keifer, Seckle, Sheldon, Lawrence. 5 to 6 feet		9.00	1.00
PLUMS			
Damson. Dark Purple, October. German Prune. Dark Purple, September. Green Gage. Large green marked red, September. Lombard. Violet Red, August. Yellow Egg. Yellow, August. Burbank. Cherry Red, August. Wickson. Yellow, September. 5 to 7			
feet high	• • • •	8.00	.90

HARDY ORNAMENTAL TREES

	Lach
CATALPA BUNGEI, grafted, 5-6 ft.	\$1.50
CATALPA BUNGEI, grafted, 6-8 ft.	2.00
BECHTEL'S CRAB. The only sweet scented double Crab. 3 to 4 feet	1.25
ELM. American White or Weeping, 8-10 ft	
ELM, American White or Weeping, 10-12 ft	3.00
ELM. Scotch, 8-10 ft	2.50
MAPLE, Norway, 10 ft.	3.75
MAPLE, Silver, 8-10 ft	1.50
MAPLE, Silver, 10-12 ft.	2.00
MAPLE, Sugar or Rock, 8-10 ft.	3.50
MULBERRY, Teas Weeping, 1 year	3,50
PRUNUS PISSARDI. Purple leaved. 3 to 4 feet	1.00
SYCAMORE, European, 6-8 ft	
SYCAMORE, European, 8-10 ft	3.00

INSECTICIDES AND SPRAYING COMPOUNDS

Most injurious Insects are roughly divided into two groups, those that chew or consume the foliage or flowers, which may be reached with stomach poisons and those that suck the plant juices which require a substance that kills by contact. Several of these may be combined for an all around spray on a small scale operation, but might be wasteful and expensive otherwise. Be sure to learn into which class the pest belongs that you wish to combat to avoid disappointment with your efforts.

4 lbs. 100 lbs.

Arsenate of Lead. Powder. The best remedy against canker worm, curculio and all leaf-eating insects on any plant, tree or shrub. A pure article that will not burn the foliage. Ours is the purest to be had. It sticks to the foliage. Use as directed on the package....\$.45

Bordeaux Mixture. This is recommended for the control of fungus

\$1.50 \$31.00

diseases or blight, rot, leaf curl or whatever name is used to designate the condition into which various plants and trees get when infested. Ours is powdered, one pound of which will make five gallons ready to apply. It is advantageous to add one quart of mo-

lasses or a pound of glucose to a barrel to make it stick better.... \$.45 \$1.50

Cyanogas "A" Dust. For the control of Rodent and Insect Pests. Will destroy rats, mice, moles, ground hogs, garden ants, etc. Dust a small quantity in run or borrows; the gas released by exposure to the air will destroy the vermin. ½ lb. can 45c; 1 lb.

can 75c; Combination of One Pound Can and Special Duster Gun...... Fish Oil Soap. Prevents the ravages of mealy bug and various kinds of worms and insects that infest the bark of trees and shrubs. Per lb. 40c.

Flit. This insect exterminator will destroy Moths, Roaches, Fleas, Chicken Lice, Ants, Flies, etc. May be used in any ordinary hand sprayer. It has a pleasant, aromatic odor and may be sprayed directly upon furniture, clothing, draperies or wall-paper without danger of injury or staining. It is non-poisonous and should be used in every home as a vermin pre-

ventative. Pint 75c—Quart \$1.25—Special Outfit for Household use—I Pint and Sprayer \$1.00.

Lime and Sulphur Wash is conceded to be the best remedy, all things considered, that there is against San Jose scale, Scurvy Bark Louse, Oyster Shell Scale, etc., while the lime

has some value against some fungus diseases also.

For a winter spray use one gallon of Wash to eleven of water and in summer one to sixteen. Per quart 40c; gallon 85c; 5 gallons \$3.25; barrel of 45 to 50 gallons, 24c per gallon, f. o. b. Cleveland.

Nicotine. A liquid used for killing Aphis or Green Fly on roses, etc. May be sprayed or vaporized. 40 per cent strength, per lb. \$2.75; ½ lb. \$1.50; ¼ lb. 80c; small bottles 25c.

Unmailable.

Pyrox. A combination of Bordeaux Mixture and Arsenate of Lead-forming a combination for protection against both fungus diseases and leaf eating insects. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50.

This is a Plant Spray paste of recent introduction, particularly effective against Mealy Bug, Red Spider, Aphis and Scale that are so often found on pot plants in the house and so hard to destroy

without damaging the plants or the surroundings. Ced-o-flora will not stain walls or fabric nor harm tender plants. A three ounce can makes five pints of spray. Price, 50c. 8 oz. can, \$1.00. Postage, 8c.

RED-SQUILL RAT POWDER. The government officials in the U. S. Agricultural Department are much concerned about the enormous annual loss caused by rats. A rat destroying agency that would be safe to use around the home and poultry yard and at the same time leave no annoying odors was long sought and finally found in this RAT POWDER. It is dusted on or mixed into any food the rats like and if there is enough to go around, it cleans them out. It is perfectly harmless to humans, house pets or even Baby Chicks. A package is enough for one pound of food. Price, 25c. Postage, 3c.

Hammond's Slug Shot. Recommended for most worms and caterpillars which infest cabbage plants, currants, gooseberries and the like. 1 lb. Sifter Carton, 20c; 5 lbs. 65c.

Scalecide. This is a miscible oil effective against scale on fruit and shade trees. It is

Scalecide. This is a miscible oil effective against scale on fruit and shade trees. It is used the same as the Lime and Sulphur Wash, opinions differing as to which is the best to use when considering the effects on the trees. Use 15 gallons of soft water to one of Scalecide. Price, Quart 75c; \$1.75 per gallon; 5 gallons for \$6.50; 10 gallons for \$11.00; 50 gallon barrel \$39.50.

Sulphur—Flowers of. Very finely pulverized for arresting mildew. Pkt. ½ lb. 15c; lb. 25c.

Tobacco Dust. Fertilizer and insecticide. An excellent fertilizer for lawns and gardens, and a good preventive against cut worms and leaf eating caterpillars. Dust onto the plants when they are wet, and for cut worms spread on the ground around the plants to be protected. If you have been troubled with wormy radishes or sickly lettuce, use a tablespoonful to the foot in the bottom of the furrow and sow the seeds right in the Tobacco Dust. It is a sure cure and will give you perfect radishes and lettuce. Per lb. 20c; 5 lbs. 90c; 10 lbs. \$1.75; 25 lbs. \$3.75.

Tree Tanglefoot. Similar to that used in making fly-paper. It is easily applied and is a most effective and economical protection for Fruit, Shade and Ornamental Trees against all crawling insects such as Canker Worms, Climbing Cut Worms, Ants; and the caterpillars of the Gypsy, Brown Tail and Tussock Moths. Prices, 1 lb. can 60c; 5-lb. can \$2.75; 10-lb. can \$5.25; 25 lb. pail \$11.00.

½ Pt	. Pt.	Qt.	Gal.
Volk. A liquid to be mixed in water for control of Red Spider,			
Mealy Bug, Scale, White Fly and Aphis. Directions on the			
can. Price\$.50	\$.75	\$1.00	\$3.00
Wilson's O. K. Plant Spray. Well known for many years as an			
effective liquid for control of Aphis, Thrip, Scale, Rose Bugs			
and Mealy Bug. Price		1.50	3.50

SEMESAN

The modern Disinfectant for seeds, bulbs, corms, roots and tubers of vegetables and flowers. There are a number of plant diseases that become established in the soil and hinder or entirely destroy the plants they attack. These diseases go by various names and affect many kinds of plants but the treatment is the same for any, namely put a small amount of Semesan in the package of seed and shake thoroughly before planting or in the case of roots or bulbs dust on or soak in a solution as directed. 2 ounce tin 50c.

GARDEN IMPLEMENTS

In our stock of garden implements we shall carry only those qualities that we feel assured will render continuous and satisfactory service to the purchaser. The buying of garden tools with price as the only consideration is questionable economy.



ASPARAGUS KNIFE

Short handle, long steel blade. Each 50c; also useful as a dandelion weeder.



Dibbles. For transplanting plants, iron point. Each 80c.

Garden Lines. Cotton braided, any length, 48 feet, 40c.

Grass Shears. Various patterns, each 75c to \$1.25.

Garden Stakes. Bamboo, stained green, length 24 in. Dozen, 25c; 100, \$1.75; 36 in., doz., 40c; 100, \$2.50; 48 in., doz., 50c; 100, \$3.25. Natural color, 60 in., doz., 50c; 100, \$4.00.

Grafting Wax. Best quality for use when pruning or budding to prevent entry of fungus diseases and insects. ¼ lb. 20c; pound 60c.

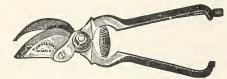


Hose Menders. Cooper's. Brass tubing, barbed to require no tools; can not leak and will not pull out nor reduce the flow of water. For ½ inch or ¾ inch Hose, 10c each.

Labels for flower pots. Plain, 4 in., per 1000, \$2.50; 5 in., \$2.75; 6 in., \$3.00; 12 in., per 100, \$1.75.

Copper Wired Tree Labels. 3½ in., per 1000, \$3.75.

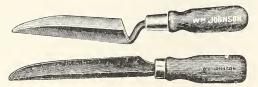
Indestructo Copper Tree Labels. No. 1, 3/4x3½ in., per doz., 35c; per 100, \$2.25; No. 2, 1½x5 in., per doz., 45c; per 100, \$3.25.



Pruning Shears. Various styles and grades, 90c to \$3.00 each.

Raffia. For tying plants without cutting or breaking. Retains its great strength, wet or dry. Per pound 40c; 10 lbs. \$3.00.

Garden Forks. Ideal for lifting plants because few roots are injured. Each 60c.



Garden Trowels. Extra heavy, solid steel blades, wood handles, English pattern. The best made in this country. 6 in., 80c each; 7 in., 90c; 8 in., \$1.00. Narrow, for transplanting; will not bend, 5 in., 25c each; 6 in., 35c; 7 in., 50c.

Lawn Weeder. The .Cleveland Lawn Weeder is one of the most practical devices on the market, for pulling weeds without stooping. Price \$1.25 each.



Magic Weeder. Serviceable hand tool for loosening the soil. Three sizes, 25c, 45c, 95c each.

RAIN KING HOSE NOZZLE

Wear-proof, leak-proof and guaranteed forever. Any conceivable adjustment from a long, solid stream to the finest spray and only a quarter turn of the nozzle from one extreme to the other. Each \$1.50.



RAIN KING LAWN SPRINKLER

Each nozzle a complete sprinkler with full range of direction, distance and volume. Instantly set for either stationary or whirling spray. Nozzles set instantly for any spray, operate independently or together. Distributes water perfectly under any pressure. When set to revolve, regulates to run fast or slow, to cover small or large circle. Price \$3.50.

SPRAYERS AND DUSTERS **BUCKET PUMPS**



The particular advantage of a compressed air sprayer is that the liquid which partly fills the tank can be put under pressure on the ground and sprayed out while up on a ladder with but one hand free to open the valve. The galvanized tank should be emptied end of the season to prevent corroding; the brass tank will not corrode.

Brown Auto-Spray No. 1-B. Four gallon tank of brass, self-closing stop cock, 2 feet of hose, each \$9.50; Galvanized Tank, No.

1-C, same equipment, each \$7.00.

Hudson Perfection Sprayer. Four gallon tank of galvanized steel; 12 inch extension rod; two sized opening at the nozzle, each \$7.00.

Hudson Junior Sprayer. 21/2 gallon tank, otherwise same as the preceding. Price \$5.00.

Where the size of the garden warrants it a Deming Sprayer and a heavy Barn Bucket make an outfit that will outlast any other. The pump is brass throughout, valves included. Four feet of hose comes with the pump, but any length may be had, the pump running so easily that one man can operate a ten foot extension without help.

Deming's Success Sprayer. Held in place

by the foot. Each \$8.00.

Deming's Perfect Success. May clamped to the bucket, each \$8.50.

Barn Bucket \$2.25 each.

HAND SPRAYERS

For a small garden or a few plants these admirably fill the need. The low price admits of having more than one so that the proper material may be on hand whenever pests appear.

Hudson Misty Sprayer. One quart, tin tank. Each 50c.

Hudson Continuous Sprayer. One quart tin tank, each 75c.

Hudson Continuous Brass Sprayer. One quart, brass tank, each \$1.25.

INSECT POWDER DUSTERS

Hudson Cadet Duster. Barrel 15¾ inches long by 1¾ inches in diameter, 8 inch stroke. Handy size around the house. Each 50c.

Major Duster. Considerably Hudson larger than the preceding and intended more for garden use. Each \$1.25.



FERTILIZERS

The need for different formulas of Fertilizers is based on the needs of the plants. Nitrogen, sometimes called Ammonia, produces the leaves, Phosphoric Acid, enlarges the flowers and fills out the seeds and Potash makes the roots and stiffens the plant stem. Which fertilizer to use should be governed by the results sought, most plants requiring some of each of the above elements but varying in the percentage. We handle the following list and make the analyses speak for each formula but should add by way of caution that the higher the analysis the stronger the product and the more care should be used to follow directions in order to avoid burning. The figures given represent the percentage of Nitrogen, Phosphoric Acid and Potash respectively and always in the same order.

Superior Soil-Bil-Der. 4-12-1. This is Sheep Manure with chemicals added to comply with the new State Fertilizer Law. 5 lbs. 35c, 10 lbs. 60c, 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50, ton \$55.00.

Superior Lawn and Garden Fertilizer. 2½-16-0. Made from bone. 5 lbs. 40c, 10 lbs. 70c, 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.25, ton \$65.00.

Superior Garden Plant Food. 4-12-4. 5 lbs. 45c, 10 lbs. 80c, 25 lbs. \$1.65, 50 lbs. \$2.65, 100 lbs. \$4.50, ton \$68.00.

Superior Ideal Turf Food. 10-6-4. 100 lbs. \$6.00, ton \$96.00.

Superior Raw Bone Meal. 3-20-0. 100 lbs. \$5.00, ton \$78.00.

Superior Plant Food. 11½-6-8. High grade article intended for potted plants. tin 50c, by mail 55c, 16 oz. tin \$1.00, by mail \$1.08.

Old Gardener Fertilizer. 21/2-11-4. In addition, 22% Calcium Carbonate from Marl Lime. 1 lb. 25c, 5 lbs. 50c, 25 lbs. \$1.75, 100 lbs. \$5.00, ton \$90.00.

Grasselli's Odorless Plant Food. 41/2-15-4. Please observe that this is high grade and should be used with caution. 1 lb. 25c; 5 lbs. 75c; 25 lbs. \$2.00; 100 lbs. \$5.50.

Nitrate of Soda. 18% Ammonia. Dissolve one teaspoonful in a gallon of water and sprinkle on the ground around the plants. 1 lb. 20c, 5 lbs. 75c, 25 lbs. \$2.50, 100 lbs. \$6.50.

Sulphate of Ammonia. 25½% Ammonia. Sprinkled on rough leaved weeds in the lawn on a dry day, this will burn them out, especially Chickweed. 1 lb. 20c, 5 lbs. 75c, 25 lbs. \$2.50, 100 lbs. \$7.00.

FULTON'S PLANTABBS ODORLESS PLANT FOOD TABLETS 11-15-20. Highly concentrated and pressed into small tablets to put, one in a five-inch pot once a month. Box of 30, for 25c; 65 for 50c; 150 for \$1.50.

Springfield Rose Food. $4\frac{1}{2}$ -10-3. In 10 lb. sacks only. 10 lbs. \$1.00.

Nitrate of Potash. 16-0-16. Highly concentrated and used in water. 1 lb. 25c, 5 lbs. \$1.00, 25 lbs. \$4.00.

Agricultural Lime. Use a pound to 5x10 feet on acid soil once in five years, but if very acid, use a larger amount. 50 lbs. \$1.00.

Manure! More Manure!

You must have manure, and thanks to ADCO you can have quantities of it.
You can turn every bit You can turn every bit 🚟 of vegetable refuse-cuttings, weeds, leaves, etc., from the garden, straw and cornstalks from the farm, into rich manure by the simple ADCO Process, Information free.

ADCO is a chemical preparation much like lime that is successfully used to reduce waste vegetable matter to usable compost in one season. A pit or a large enough box is gradually filled with refuse and sprinkled periodically, layer by layer with ADCO and kept moist. 25 lbs. \$2.25, 150 lb. sack \$11.50. Delivery extra.

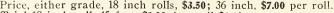
GRANULATED PEAT MOSS

The more we observe and use this recent addition to aids in successful gardening the more enthusiastic we become. It has innumerable uses, such as lightening heavy soil, covering small seeds, mulching plants and shrubs during the summer to retain moisture, and in winter to prevent heaving, spreading on the lawn after seeding and fertilizing to protect the seed until it sprouts, mixing with soil for potting, rooting cuttings, growing bulbs in the house in water and a bowl, in the chicken coop to conserve the droppings, in short it is almost as useful as the soil itself and practically assures success wherever and whenever it is used. Used with discretion a bale will last two or three years in the ordinary home garden, as it contains about 18 bushels when ready to use. A bale is 2x2x3 feet. Price, 1 bale \$5.00, 5 bales at \$4.50, 10 bales at \$4.00 each. If taken, 50c per bale reduction will be allowed.



MULCH PAPER

Some of our customers tried this latest method of gardening last year and we made an inspection of the tests that were made at the Wooster Experiment Station last season. The results indicate that when the method becomes known, Mulch Paper will be used by almost every gardener because it will so greatly reduce the labor and increase the crop of almost every vegetable grown. "Gator Hide" comes in two weights and two widths. Grade A, the lighter, coming 300 yards and Grade B, the heavier, 150 yards to the roll and 18 inches or 36 inches in width. When the 36 inch width is used, the plants are set in holes that are made in the paper; when 18 inch width is used space is left between the sides of the sheets for the plants.



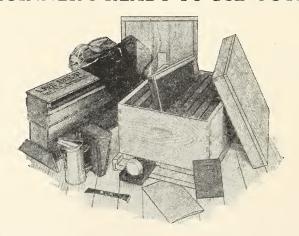
Trial 18-inch roll, 45 feet, \$1.00, by mail \$1.10.





We are local distributing agents for the world-wide celebrated Root Quality Beekeepers' Supplies at the same prices as quoted in The A. I. Root Co.'s own catalogue. Here you will find a representative stock of Hives, Tools, Foundation and Appliances used in the modern art of Bee-keeping in charge of experts who keep bees themselves, to advise you if necessary. To show how simple and inexpensive it is to pursue this interesting avocation we quote a few items that are necessary to begin with, to be supplemented later by a few additions according to the amount of the honey flow. The time to install the first colony is soon after the middle of April. Write us for a free copy of BEES for PLEASURE and PROFIT, a 16 page booklet that gives details in simple language for the Beginner.

BEGINNER'S READY-TO-USE OUTFIT



With Bees and Queen, All Ready to Go to Work

This outfit comes nailed and painted ready for use, with a 2-pound package of Italian bees and queen. It includes one-story 10-frame hive with full sheets of foundation, Standard smoker, Boardman feeder, bee-veil, hive-tool, "Starting Right with Bees," and explicit printed directions for handling outfit. It affords an easy and sure way to begin beekeeping. The cost is only \$15.95. Shipped by express from factory at Medina, Ohio.

Write us for the A. I. Root Co.'s complete 48 page free catalogue.



STANDARD HIVE

Made of select clear pine with a cypress bottom board, metal covered top, new improved hand holds, inner cover, and equipped with 10 frames with special lock corners. All measurements and spaces absolutely accurate.

1—10-frame	hive —nailed and painted (no foundation)	6.00
1—10-frame	hive -nailed and painted (with Three-ply foundation)	7.80
5—10-frame	hives-not nailed and painted (no foundation)	15.20

Write for Prices on Supers and Hive Bodies

FOUNDATION

Every frame and section should have a full sheet of foundation. Three-ply Airco foundation is the best foundation for brood and extracting frames. Thin super foundation for sections.

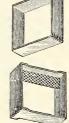
1—10 sheet package of Three-ply foundation	\$1.24
1-50 sheet package Three-ply foundation	6.00
Thin super foundation for 4½ sections, 28 sheets 1 lb. 94c, 5 lb	4.45
Thin super foundation for 4x5 sections, 32 sheets 1 lb. 94c, 5 lb	4.45

SECTIONS

Root Quality Sections are made of the finest and whitest basswood obtainable, correctly cut so that they fold with practically no breakage.

				100	250	500
41/4	x	17/8	sections	\$1.30	\$3.15	\$6.25
41/4	x	1½	sections	1.20	2,95	5.75
4	x	5	sections	1.20	2.95	5.75





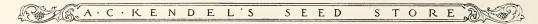


Standard (For the average apiary)

SMOKERS

Standard tin Smoker with anti-spark draft	\$1.00
Frame Wiring Outfit with wire for 50 frames and spur wire imbedder	.50
Bee Escapes	
Root Indestructible Bee Veil	.90
"Starting Right with Bees", 128 pages, 124 illustrations	.75

Everything for the Beekeeper
WRITE FOR 1930 BEE SUPPLY CATALOG
ALL GOODS F. O. B. CLEVELAND



Pets and Supplies

OUR BIRDS

Our birds are all imported from the best bird-breeding countries of the old world; and are tested for song before leaving the homes of their breeders; the next test is made immediately upon their arrival in this country. When they arrive at our store they are again tested and classified according to the purity of their note-tones and the quality and length of their songs. At this final testing the price of each individual bird is decided upon. This price is governed by the bird's qualifications as a singer

It is because of these several tests that we have gained the reputation for having the choicest birds. As we value this reputation, we have fitted out a separate room where customers may choose any bird they prefer, taking as much time as they desire. Most of the best canaries reaching this country are the St. Andreasburg Rollers, the louder Hartz Mountain Warblers, the Blue Ribbon Choppers and the large English or Norwich singers. We also sell Australian Shell Parokeets or Love Birds and in season, female canaries for breeding.

The prices of the birds vary from season to season; but tested singers having the best physical traits are usually priced at from \$8.00 to \$12.00, while some having songs of unusual quality will be priced higher; others, whose songs have not fully developed, and yet may eventually prove to be splendid singers are priced below the minimum quoted above.

BIRD SUPPLIES

The Bird Foods and Remedies offered in the following pages have been made and sold by this company for over fifty years. Competing preparations by the dozens have come and gone during this time, while the sale of our preparations increases each year. Our foods and remedies could not have survived this competition unless they possessed the unusual merit that we claim for them.

Our large stocks of valuable birds are nourished and conditioned with exactly the same preparations that we offer for sale.

WILSON'S MIXTURE OF CANARY AND RAPE SEED

is now, as it has been for over fifty years, a blend of the finest and cleanest Canary and Rape Seed that it is possible to purchase. Food for human epicures is not selected with more care than we give to the selection and mixing of these seeds; and it is a peculiar fact that more than a quarter of a century before an enterprising baking company began to pack food for human consumption in sealed packages, this company was sealing bird-seed in card-board containers so it would reach the customer as fresh and clean as when mixed.

If your bird refuses the seed you now get for him or if it fails to nourish him sufficiently try this mixture of ours. Put up in pound cartons and priced at 20c. By mail, postpaid, 27c.

WILSON'S SONG RESTORER AND CANARY BIRD FOOD

When birds are sick or out of song this will restore both health and melody. Birds in perfect health may have their song improved by regular feedings of this, as directed on the container. Price 20c. By mail, postpaid, 25c.

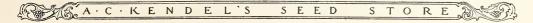
WILSON'S MOCKING BIRD FOOD

The ingredients of this food are selected and mixed, with the object of duplicating as nearly as possible the diet of the birds living in their natural state. It contains vegetable, animal and insect components; and its use will keep the birds in the best of physical condition and consequently in good song.

This food will be relished by Mocking Birds, Thrushes, Troopials, and all soft-billed birds. The price is 50c per can. By mail, 60c.

WILSON'S PARROT SEED

contains a mixture of the seeds best suited to the nourishment and sustenance of the parrot. This mixture contains many food elements not supplied by the sunflower seed alone. It is thoroughly recleaned, well cured and packed in sealed cartons so it reaches the customer fresh and clean. Carton containing 11/2 lbs., 30c. By mail, 38c.



WILSON'S CHOICE SUNFLOWER SEED

This seed is selected expressly for Parrot Food and consists entirely of clean, plump, meaty kernels; it makes a nourishing ration for the birds; and next to Wilson's MIXED Parrot Seed is the best seed to feed him. Per lb., 20c. By mail, 27c. Write for special prices in bulk.

WILSON'S BIRD TONIC

A certain cure for loss of song, weakness when moulting, colds, asthma or hard breathing, shedding feathers out of season and other diseases of cage birds. Price 25c. By mail, postpaid, 33c.

WILSON'S PARROT TONIC

A cure for colds, lack of condition, over-feeding, plucking feathers, etc. Price, 40c. By mail, postpaid, 45c.

WILSON'S PURE INSECT POWDER

For Use on Birds

Made from fully developed Pyrethrum flowers; bolted to extreme fineness to insure penetration to the roots of the feathers. Non-poisonous to Birds or Animals but sure death to insects. In 1 oz. bottles, 20c. In Blow Guns, 30c. Either by mail, 5c extra.

SILVER LAKE SAND

is necessary to the welfare of the cage-bird, which having no teeth for chewing its food must depend upon grit taken into the crop to masticate and prepare the food for the digestive processes. The sand is priced at 10c per box of 2 lbs. By mail, postpaid, 18c.

SAND PAPER FOR BIRD CAGES

We prepare this paper ourselves using the best materials to safeguard the health of the bird. A great convenience in the home. Comes twelve sheets in a package in the following sizes: No. 1, 8½x8½ in. No. 2, 8¾x6¾ in. No. 3, 9¼x7¾. No. 4, 10¾x7¾ in. No. 5, 11¾x85¾ in. No. 6, Round, 9 in. in Dia. No. 7, Round, 11 in. in Dia. Price, No. 1, 2, 3, or 4, 20c per doz. Nos. 5 or 6, 25c; No. 7, 30c.

Outside Bird Bath. Celluloid and Colored Enamel; attaches to outside of cage at the door. Does away with all spattering of cage and surroundings. Size 4x4½ inches. Price \$1.00.

Bird Cups. Various styles, flint glass or porcelain, to fit cages of different makes. Each 20c and up.

Bird Cages. Various sizes, different makes, brass and Duco, in different colors, and stands to match.

Parts for Bird Cages. Perches, Springs, Pans, etc.

Breeding Cages and Supplies. Nests, Hair, etc.

Cuttle Bone. Plain, per pound, \$1.00; dressed, \$2.00. Each, 5c; with wooden holder, each, 10c.

Food Cups. For feeding Song Food and Dainties, each, 10c.

Sheppard's Song Restorer.
Haller's Dutch Song Food.
Haller's Bird Remedies.
Sergeant's Dog Remedies.
Clayton's Cat Remedies.
Champion Dog Foods.
Burnett's Song Food.
Magic Song Food.
Bird Manna. Bird Pies.

Glover's Dog Remedies.

Spratt's Dog Remedies and Foods.

Bennett's Milk Bone for Dogs.

Fancy Goldfish

Fish Food of several kinds

Cabomba or Sea Weed

Fish Globes, one to five gallon sizes

Aquariums, three to fifteen gallon sizes

Aquarium Cement

MEMORANDA

Quantity of Seeds Usually Sown to the Acre

"Alsike, alone

Quantity of Seed Required for a Given Number of Plants, or Number of Hills, or Length of Drill

Asparagus	ill Melon, Musk
Beet 1 oz. " 50 "	Okra 1 oz. " 40 feet of drill
Beans, Dwarf 1 qt. " 100 "	Onions1 oz. " 100 "
Beans, Pole 1 qt. " 100 hills.	Onions, Setts, small 1 qt. " 40 "
Carrot 1 oz. " 150 feet of dri	ill Parsley 1 oz. " 150 "
Cabbage 1 oz. " 3,000 plants	Parsnip
Cauliflower 1 oz. " 3,000 "	Peas1 qt. " 100 "
Celery 1 oz. " 4,000 "	Pepper 1 oz. " 2,000 plants
Cucumber	Pumpkin 1 oz. " 40 hills
Corn1 qt. " 400 "	Radish
Dandelion 1 oz. " 150 feet of dri	
Endive	Spinach
Egg Plant 1 oz. " 2,000 plants	Squash, Early 1 oz. " 50 hills
Lettuce	Squash, Marrow 1 oz. " 10 "
Leek 1 oz. " 100 feet of dri	
Melon, Water 1 oz. " 30 hills	Turnip

Number of Plants, Trees, Vines, Etc., Required to Set an Acre

	Distar	ice.	. Number. Distance.	Number.
1	ft. by	1	ft43,560 6 ft. by 6 ft	
1 1/2		11/2	§ "	
2	44	1	"	
2	64	2		
214	**	21/9	§ "	
3	4+	1	~ · · · · · · · · · · · · · · · · · · ·	
3	4.	2		
3	44	3	"4.940 25 " 25 "	
4	**	4		40
5	44	5		

Weight of Various Articles in the State of Ohio

Apples per bu. 48 lbs. Orchard Grass. per bu. 14 lbs. Apples, dried. 22 " Onions. "50 " Barley. 48 " Peaches. "48 " Beans. 60 " Peas. "60 " Buckwheat. 50 " Plastering Hair. 8 " Broom Corn. 46 " Popcorn. 40 " Blue Grass, Kentucky 14 " Rape. "50 " English. 24 " Rye. "56 " Bran. 20 " Red Top Seed. "14 " Canary Seed. 60 " Salt, coarse. 50 " Corn, shelled. "56 " Sorghum. "50 "
Barley 48 Peaches 48 Beans 60 Peas 60 Buckwheat 50 Plastering Hair 8 Broom Corn 46 Popcorn 40 Blue Grass, Kentucky 14 Rape 50 English 24 Rye 56 Iran 20 Red Top Seed 14 Canary Seed 60 Salt, coarse 50 Corn, shelled 56 Sorghum 56
Beans 60 Peas 60 Buckwheat 50 Plastering Hair 8 Broom Corn 46 Popcorn 40 Blue Grass, Kentucky 14 Rape 50 English 24 Rye 56 Bran 20 Red Top Seed 14 Canary Seed 60 Salt, coarse 50 Clover Seed 60 Salt, Michigan 56 Corn, shelled 56 Sorghum 50
Buckwheat "50" Plastering Hair 8 Broom Corn "46" Popcorn 40 Blue Grass, Kentucky "14" Rape 50 English "24" Rye 56 Bran "20" Red Top Seed "14" Canary Seed "60" Salt, coarse "50" Corn, shelled "56" Sorghum "50"
Broom Corn. 46 Popcorn. 40 Blue Grass, Kentucky. 14 Rape. 50 English. 24 Rye. 56 Brain. 20 Red Top Seed. 14 Canary Seed. 60 Salt, coarse. 50 Corn, shelled. 56 Sorghum. 56
Bue Grass, Kentucky 14 " Rape. 50 " English. 24 " Rye. 56 Bran. 20 " Red Top Seed. 14 Canary Seed. 60 Salt, coarse. 50 Clover Seed. 60 Salt, Michigan. 56 Corn, shelled. 56 Sorghum. 50
English
Brain " 20 " Red Top Seed " 14 " Canary Seed " 60 " Salt, coarse " 50 " Clover Seed " 60 " Salt, Michigan " 56 " Corn, shelled " 56 " Sorghum " 50 "
Canary Seed. " 60 " Salt, coarse. " 50 " Clover Seed. " 60 " Salt, Michigan. " 56 " Corn, shelled. " 56 " Sorghum. " 50 "
Corn, shelled
Corn, shelled
Co"n, shelled " 56 " Sorghum " 50 "
Corp., on ear
Corn Meal " 50 " Timothy Seed " 45 "
Charcoal
Coal, Mineral " 80 " Turnips " 60 "
Coal, Cannel
Coke
Cow Peas. " 60 " Salt, per bbl. " 280 "
Cranberries "40 "Lime, per bushel "70 "
Dried Peaches "32 " Hay, well settled per cubic foot, 4½"
18 ax Seed. 56 "Corn. on cob. in bin. 22 "
The Colling of the Co
710111) Seed
Trungarian Grass Seed
of the inching measure 60 " Octobring him 251/"
Millet
Mait.,
Oats " 32 " Sand, dry, in bin " 95 "
Osage Orange " 33 " Clay, compact " 135 "

OWNERS AND SOLE DISTRIBUTORS OF

Wilson's Remedies For Birds

STANDARD IN CLEVELAND FOR TWO GENERATIONS

Wilson's Bird Tonic Wilson's Parrot Remedy

Wilson's Highest Grade Bird Seeds

Wilson's Song Restorer Breeder's Supplies

Singing and Breeding Canaries

Bird Cages Globes and Aquariums

Bennett's Milk Bone Fancy Gold Fish

Glover's and Sergeant's Dog Remedies

Champion Dog Foods Clayton's Cat Remedies

Spratt's Cat and Dog Foods

A. C. KENDEL'S SEED STORE

Operating the former

WILSON'S BIRD STORE